

10:00Introductions, CDRP Roles and ResponsibilitiesKyle Ericson, EDWA10:15El Dorado County Roles and ResponsibilitiesKameisha Nichols, El Dorado County10:20Historical Background (Why We Are Here)BC Team10:25Meeting ObjectivesBC Team10:30Drought and Water Shortage Resilience Plan (CDRP)BC Team10:40Risk and Vulnerability AssessmentBC Team11:20Task Force RoundtableTask Force Open Discussion11:50Next StepsBC Team11:55Meeting AdjournedKyle Ericson, EDWA	TIME	AGENDA ITEM	PRESENTER	
10:20 Historical Background (Why We Are Here) BC Team 10:25 Meeting Objectives BC Team 10:30 Drought and Water Shortage Resilience Plan (CDRP) BC Team 10:40 Risk and Vulnerability Assessment BC Team 11:20 Task Force Roundtable Task Force Open Discussion 11:50 Next Steps BC Team	10:00	Introductions, CDRP Roles and Responsibilities	Kyle Ericson, EDWA	
10:25 Meeting Objectives BC Team 10:30 Drought and Water Shortage Resilience Plan (CDRP) BC Team 10:40 Risk and Vulnerability Assessment BC Team 11:20 Task Force Roundtable Task Force Open Discussion 11:50 Next Steps BC Team	10:15	El Dorado County Roles and Responsibilities	Kameisha Nichols, El Dorado County	
10:30 Drought and Water Shortage Resilience Plan (CDRP) BC Team 10:40 Risk and Vulnerability Assessment BC Team 11:20 Task Force Roundtable Task Force Open Discussion 11:50 Next Steps BC Team	10:20	Historical Background (Why We Are Here)	BC Team	
10:40 Risk and Vulnerability Assessment BC Team 11:20 Task Force Roundtable Task Force Open Discussion 11:50 Next Steps BC Team	10:25	Meeting Objectives	BC Team	
11:20 Task Force Roundtable Task Force Open Discussion 11:50 Next Steps BC Team	10:30	Drought and Water Shortage Resilience Plan (CDRP)	BC Team	
11:50 Next Steps BC Team	10:40	Risk and Vulnerability Assessment	BC Team	
	11:20	Task Force Roundtable	Task Force Open Discussion	
11:55 Meeting Adjourned Kyle Ericson, EDWA	11:50	Next Steps	BC Team	
	11:55	Meeting Adjourned	Kyle Ericson, EDWA	





Introductions

Task Force Core Members

County of El Dorado

Carla Hass
 Chief Admin Office

Jeff Warren
 Environmental Management Department

Matthew Minson (new)
 Public Health

County Sheriff's Office

Scott Bare Office of Emergency Services

El Dorado Water Agency

Kyle Ericson

Hannah Romero (new)

Water Resources Principal

Water Resources Principal

Brown and Caldwell

Melanie Holten

Tess Sprague

Water Resources Manager

Climate Resilience Lead





Introductions

Task Force Advisory Members

Melissa McConnell City of Placerville

Hilary Roverud City of South Lake Tahoe

Karen Bender County of El Dorado, Environmental Management County of El Dorado, Environmental Management

Rob Peters County of El Dorado, Planning and Building

Julia Ekstrom Department of Water Resources

Michael Ranalli El Dorado County Farm Bureau

Phil Jones El Dorado County Office of Education

Jon Money El Dorado Irrigation District

Nicholas Schneider Georgetown Divide Public Utility District Kim Gustafson Grizzly Flats Community Service District

John Marrs Kyburz Mutual Water Company

Jennifer Lukins Lukins Brothers Water Company, Inc.

Tracy Wilson Quintette Service Corporation

James Sarmento Shingle Springs Band of Miwok Indians

Mark Seelos South Tahoe Public Utility District/Tahoe GSA

Sean Barclay Tahoe City Public Utility District
Heather Blumenthal Tahoe Keys Water Company



Key Definitions

Small water supplier:

- Community system serving 15 to 2,999 service connections
- Provides less than 3,000 acre-feet of water annually (Water Code §10609.51 subd. (k)).

Small water supplier's individual responsibility (SB552)

State small water system:

- Serving 5 to 14 service connections
- Does not regularly serve drinking water to more than an average of 25 individuals daily for more than 60 days out of the year as defined in Section 116275 (n) of the Health and Safety Code (Water Code §10609.51 subd. (m))

County's responsibility (SB552)

*A portion of the small water suppliers and state small water systems are managed by the State



Key Definitions

Domestic well:

- A groundwater well used to supply water for the domestic needs of an individual residence or a water system
- Not a public water system and that has no more than four service connections, as defined in Section 116681 of the Health and Safety Code (Water Code §10609.51 subd. (k)).

County's responsibility (SB552)

Non-transient, non-community water system: A 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, as defined in Section 116275 subd. (k) of the Health and Safety Code. Example of this includes a school (Water Code §10609.51 subd. (g))

NTNC's individual responsibility (SB552)

LPA: Local Primacy Agency

EMD: Environmental Management Department





Roles and Responsibilities

Core Task Force Members

- Review current drought conditions using tools provided by the U.S. Drought Monitor and state agencies.
- Identify drought-related issues that will impact county residents.
- Develop actionable solutions to address identified problems.
- Support SB552 implementation to meet regulatory compliance, including County Plan for state SWS/domestic wells.
- Disseminate Task Force findings to the community.

Advisory Task Force Members

- Provide current water supply conditions, data, and feedback, when applicable.
- Disseminate Task Force findings to the community and, when applicable, its customers.

El Dorado Water Agency

• Facilitate Task Force meetings, provide the venue for discussions related to SB552 support and implementation, and lead CDRP.





El Dorado County EMD Roles and Responsibilities

- State Mandates for LPA Program
- EMD Duties in LPA Program
- EMD Water Well Program





State Mandates for LPA Program

- Delegation Agreement
- Permits reviewing and issuing new/amended
- Surveillance, sampling and monitoring
- Reporting and enforcement
- Program management
 - Annual workplan
 - Annual program review
- New permit and water treatment concurrent reviews with the State & GSA
- CEQA evaluations for permit amendments
- Annual electronic reporting to the State (eAR)
- Cal Code Systems are now included in the TNC's requirements









EMD Duties in LPA Program

Maintain water supply permits and water system inventory

Conduct sanitary surveys and provide written reports

Review water quality monitoring results (Failure to sample; exceedances)

Monitor compliance with water quality (repeat sampling, Level I/II assessments)

Data management – forms for EDC and State (SDWIS); clean up reports; change ownership

Track and review Electronic Annual Reports & Consumer Confidence Reports

Enforcement (issuing NOV's, Citations, Compliance Orders) and tracking compliance

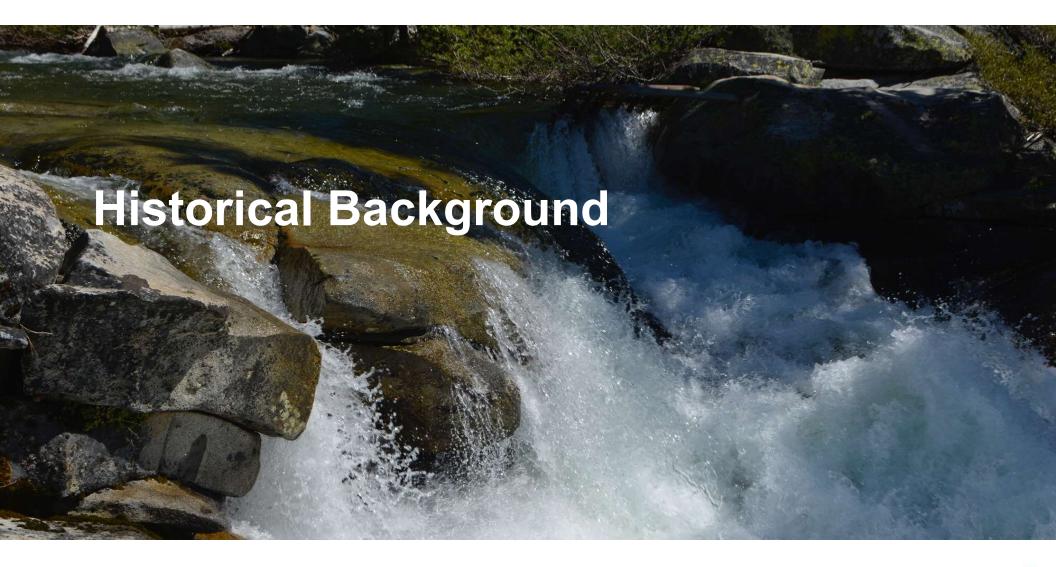




EMD Water Well Program

- Determine the eligibility for new well construction
- Review and approve/deny well permit applications based on EDC Ordinance
- Conduct site inspections
- Ensure well production and completion reports are submitted







Historical Background (Why We Are Here)

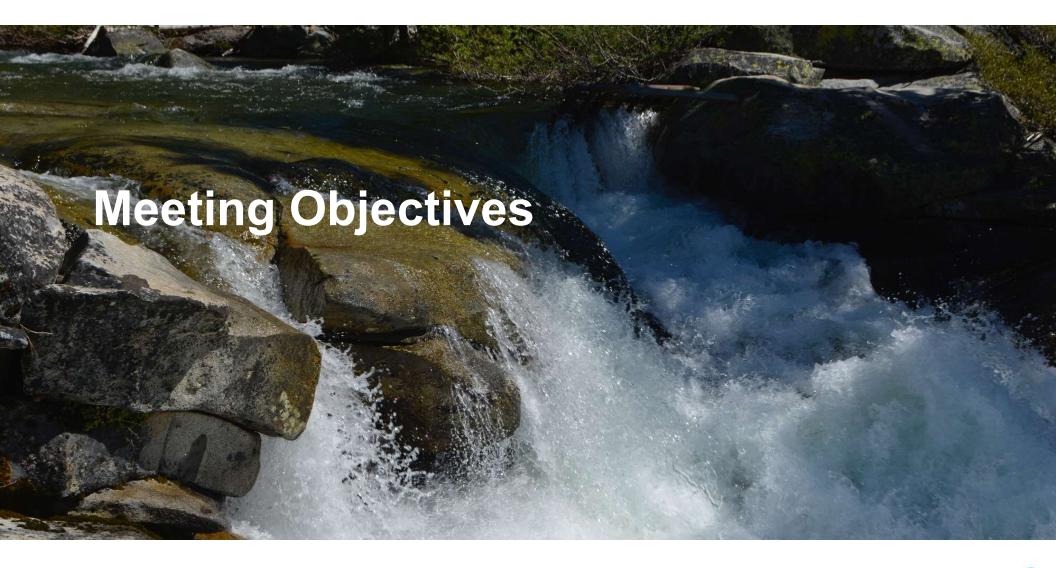
AB1668 and SB606 tasks DWR SB552 requires State and local governments to and State Water Board to share the responsibility in preparing and acting in Development and develop recommendations to the case of a water shortage event to improve the creation of the DWR ability of Californians to manage future droughts and the Legislature to improve **Drought Resilience** drought planning for vulnerable help prevent catastrophic impacts on drinking water Receipt of County Guidebook small water suppliers and rural for communities vulnerable to impacts of climate DWR grant and update of the communities. change. funding. Risk Explorer tool. 2018 2021 2019 2020 2023 2024 2022 Development of the CDRP. This CDRP Upper American River **DWR Drought** El Dorado was the first county County Drought purposely goes above and beyond the Basin Regional Drought Recommendation to start developing a County

County Drought
Advisory Group
(CDAG) formed.
Includes EDWA and
members from state
and county agencies,
water agencies,
academia, tribal
communities, &
industry.

Upper American River Basin Regional Drought Contingency Plan (UARB RDCP) funded by Reclamation's WaterSMART. DWR Drought Recommendation Report and the initial Risk Explorer tool released. El Dorado was the first county to start developing a County Drought and Water Shortage Resilience Plan (CDRP). Other counties awaited funds. El Dorado County Drought and Water Shortage Task Force created. DWR opened grant funding applications and attended Task Force meetings.

Development of the CDRP. This CDRP purposely goes above and beyond the SB552 requirements. Other county areas (OCAs) are still in process of determining how to assess water supply reliability from fractured rock. EDWA created MOU with the County to develop this CDRP with a focus on addressing needs of OCAs.

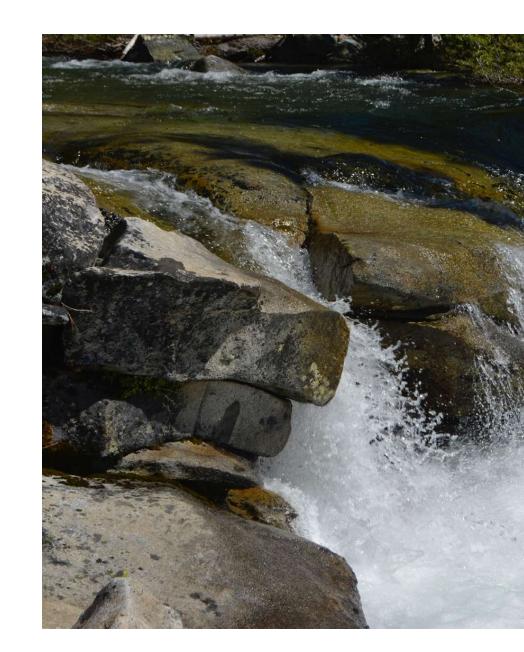


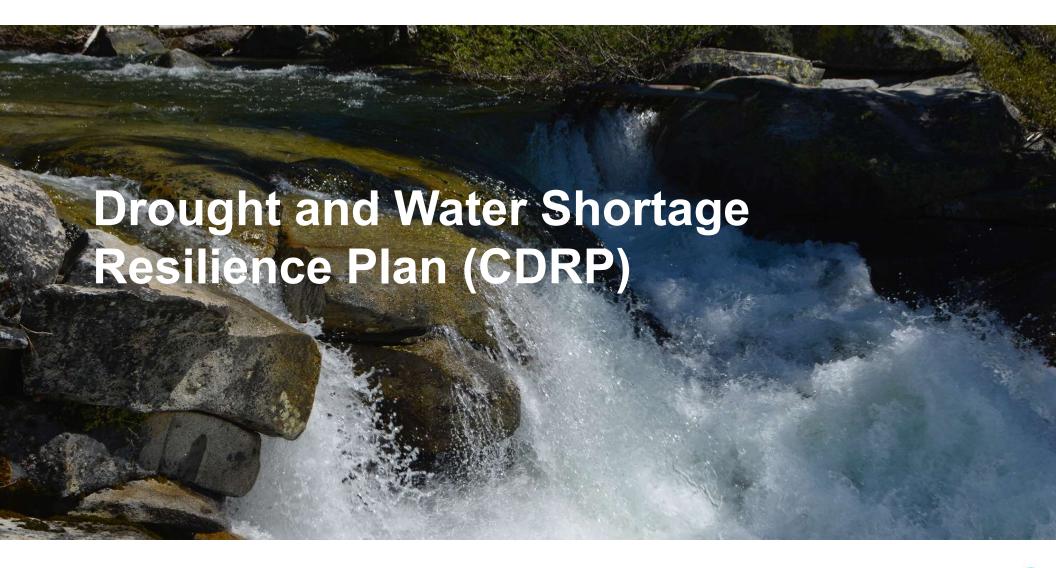




Meeting Objectives

- Bring Task Force members up to speed on previous efforts to date
- Share summary of findings from the Risk and Vulnerability Assessment
- Discuss findings and receive input via roundtable with Task Force members







Conveying the Foothill Community Story

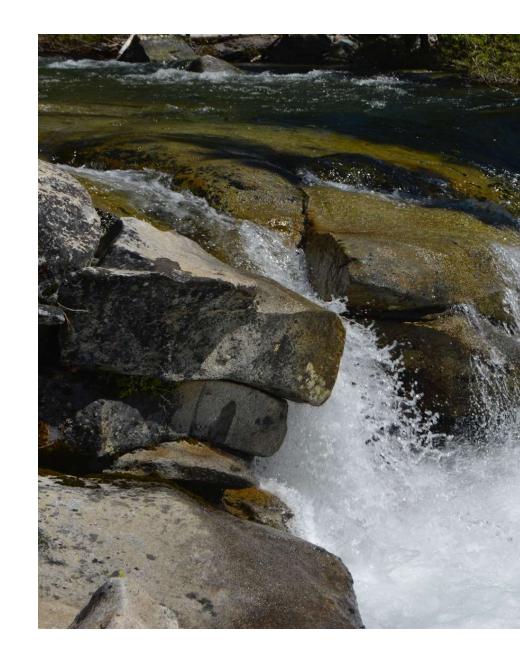
Important to success and intent of CDRP:

- Unique local conditions as headwater and foothill environment
- Change in demographics with COVID-19 mass urban exodus
- Still in recovery from wildfires (i.e., Caldor Fire, Grizzly Flats, Mosquito Fire)
- Flooding from atmospheric rivers
- Mostly rural-agricultural communities
- Limited surface water storage
- Fractured rock aquifers

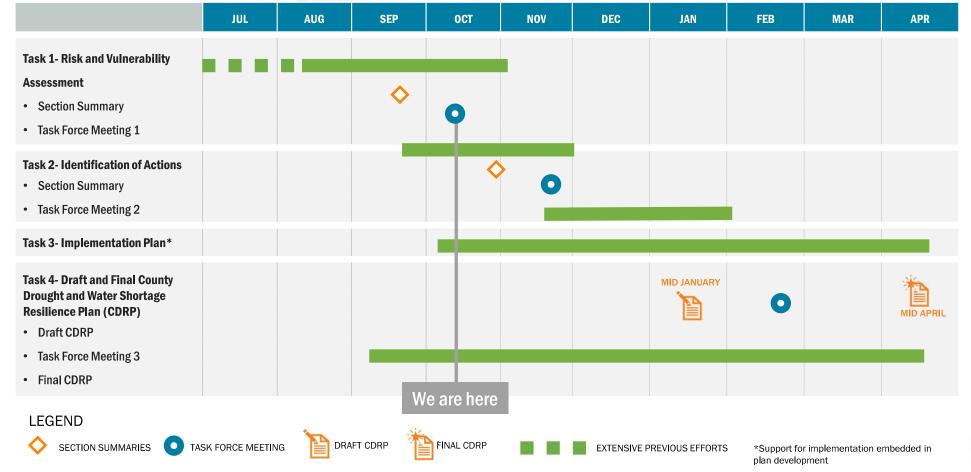


CDRP Objectives

- Improve small system and domestic well drought and water shortage preparedness in El Dorado County to promote the vision of the County General Plan.
- Implement proactive drought planning and be better prepared for future water shortage events and dry years.
- Develop a stand-alone CDRP document, comprehensive and easy to update without having to update multiple sources.



CDRP Development Process (Where We Are)





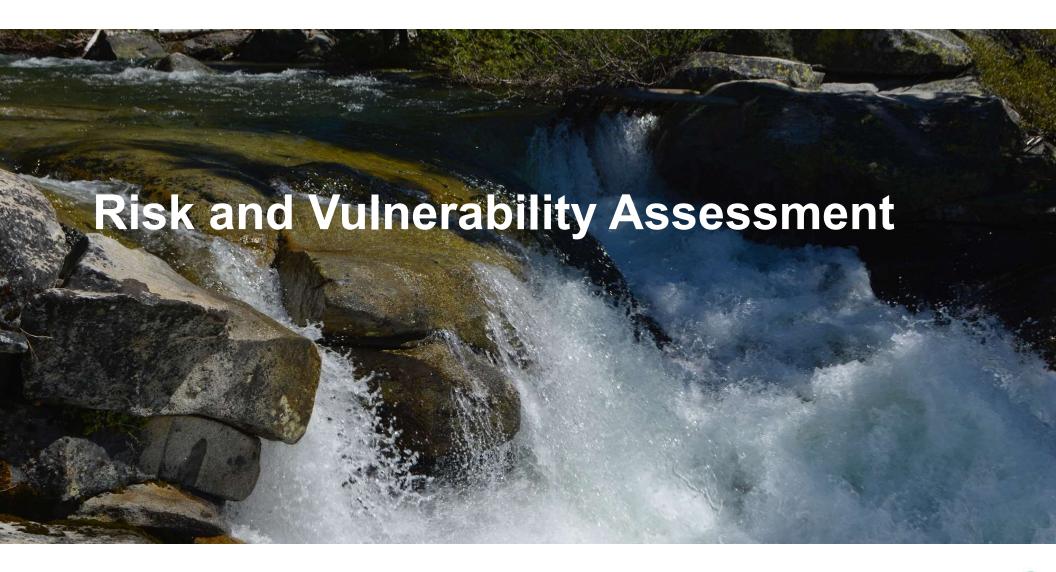


Above and Beyond SB552

El Dorado County Drought and Water Shortage Resilience Plan is a comprehensive plan, tailored to local data and needs

- All Small Water Systems are included in CDRP
 - Counties under SB552 are only required to address water shortage preparedness for domestic wells and State SWS (5 to 14 connections)
 - In contrast, CDRP includes all SWS (up to 2,999 connections)
 - Note: SWS include public and private entities
- Includes a custom risk assessment/vulnerability that goes beyond the DWR interactive webtool
 - Assessment approach incorporates more county-specific data, and enables a more tailored analysis of local vulnerability for El Dorado County communities
 - Includes a secondary custom analysis for domestic wells







Risk and Vulnerability Assessment

Custom approach beyond current DWR vulnerability assessment, leverages locally available data, and includes extensive outreach.

- Previously developed by Stantec and reviewed by Task Force extensively
- · Recent addition of newly available domestic wells data
- Interpretation of results

Gather existing data on small water systems

Review and analyze existing data and information

Identify vulnerabilities to inform CDRP



Risk and Vulnerability Assessment

Gather existing data on small water systems

Extensive Previous Work Conducted:

Data collected from County EMD and State Water Board's 2020 EAR.

Informational interviews with representatives from small water systems

Distribution of online survey

Recent Data Added:

Available domestic well data from El Dorado County



Existing Data (detail and limitations)

County EMD and State Water Board's 2020 EAR.

EMD (97/128 systems) non-digital information scanned: water quality emergency notification plans, water system inspection reports, bacteriological and chemical water sample reports, and domestic water supply permits

EAR (123/128 systems) digital information downloaded: population served, number of potable water connections, long-term drought and water shortage resilience improvements made and/or planned, sensitivity to climate change threats, and climate change adaptation strategies.

Informational interviews with representatives from small water systems to:

- Discuss past, current, and potential future issues
- Gain further information on their respective water systems

Distribution of online survey to gather information, including the following topics: metering, groundwater production, purchased water, sold water, recycled water, delivery type, complaints, treatment, emergency power

Domestic well data: El Dorado County well database (records from 1992 onward)



Risk and Vulnerability Assessment

Review and analyze existing data and information

Drought and shortage risks for each small water system analyzed using a vulnerability assessment method tailored for El Dorado County small systems.

Extensive Previous Work Conducted:

Data collected from EMD and EAR reviewed and summarized based on:

- Water infrastructure
- Water supply sources
- Water demands
- Emergency drinking water solutions
- Long-term drought or water shortage planning

Recent Analysis Added:

Available domestic well data collected and reviewed.



EMD/EAR Summary

General Information

- Water System Use: 37 systems are recreation areas with 25 residential systems as next most common
- Water System Ownership: Of 108 systems ~33% were privately owned businesses with federal government as next most common ownership

Infrastructure

• Maximum Hours System Can Maintain System Pressure During Power Outages: Of the 44 systems that specified, all could maintain pressure in the system for up to 72 hours

Water Supply

- Water Supply Source: ~76% of water systems had wells as their primary source and ~69% had no alternate sources
- Water Quality Issues: Of the 28 systems that indicated issues in the past, ~93% involved total coliform.

Emergency Drinking Water Solutions

• Water Quality Emergency Notification Plans: Of the 97 systems from EMD, 44 systems had plans.

Long-term Drought / Water Shortage Planning

- **Drought Threat:** Of 14 systems, 50% indicated none to low sensitivity and ~43% indicated medium sensitivity to droughts (one system indicated high sensitivity)
- Climate Change Adaptation Measures: 11 systems identified adaptation measures, most of them complete
- Long-term Improvements Made/Planned to Increase Drought/Water Shortage Resiliency: All improvements made/planned (7 systems) focused on maintenance/aging infrastructure rather than drought/water shortage



Interview Feedback

- Interviews were conducted representing 8 different small systems (see box, right)
- Areas of concern from interviewees included the following:
 - Water supply shortage
 - No secondary supply
 - Water quality
 - Failing infrastructure
 - Emergency and interim drinking water solutions
 - Funding
 - Auxiliary power
 - Water curtailments
 - SB552 implementation

Systems providing interview input:

Bear State Water Works
Kyburz Mutual Water System
Lakeside Park Association
Lukins Brothers Water Company
City of Placerville
Quintette Service Corp Water
Strawberry Trt 1-6, 36-38
Tahoe Keys Water Company



Risk and Vulnerability Assessment

Identify vulnerabilities to inform CDRP

Additional data (e.g., wildfire risk, potential increase in future temperature, eWRIMS) as well as EMD and EAR data was reviewed to define what each value of 1 to 5 means for each risk factor.

Extensive Previous Work Conducted

Vulnerability assessment method developed and applied four vulnerability categories:

- Environmental
- Infrastructure
- Regulatory
- Social

Each category has a number of risk factors (18 total).

Each risk factor is scored from 1 (least vulnerable) to 5 (most vulnerable) for each small water system.

Recent Assessment Added:

Review of existing data and analysis, conduct further analysis of data for domestic wells, and interpretation of results for each vulnerability category and risk factor.

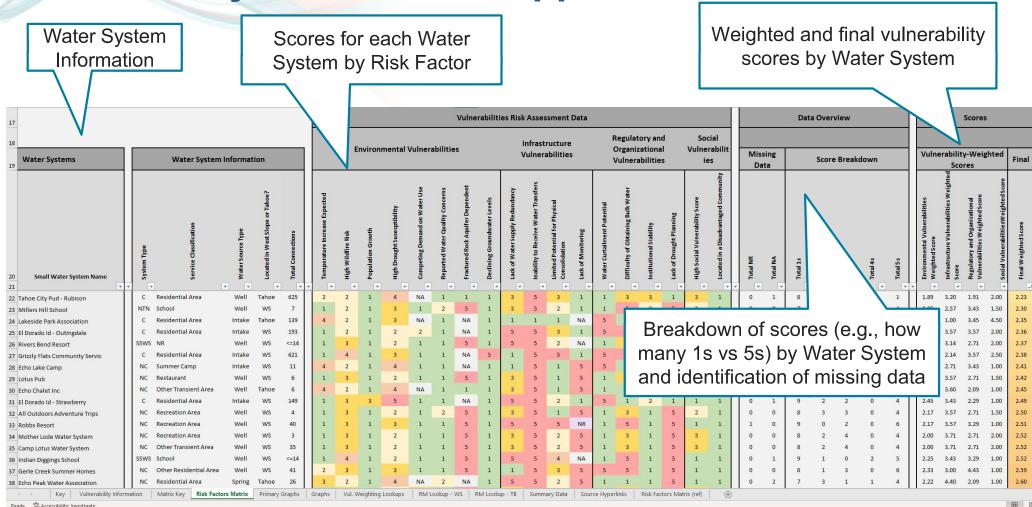
Vulnerability Assessment Approach

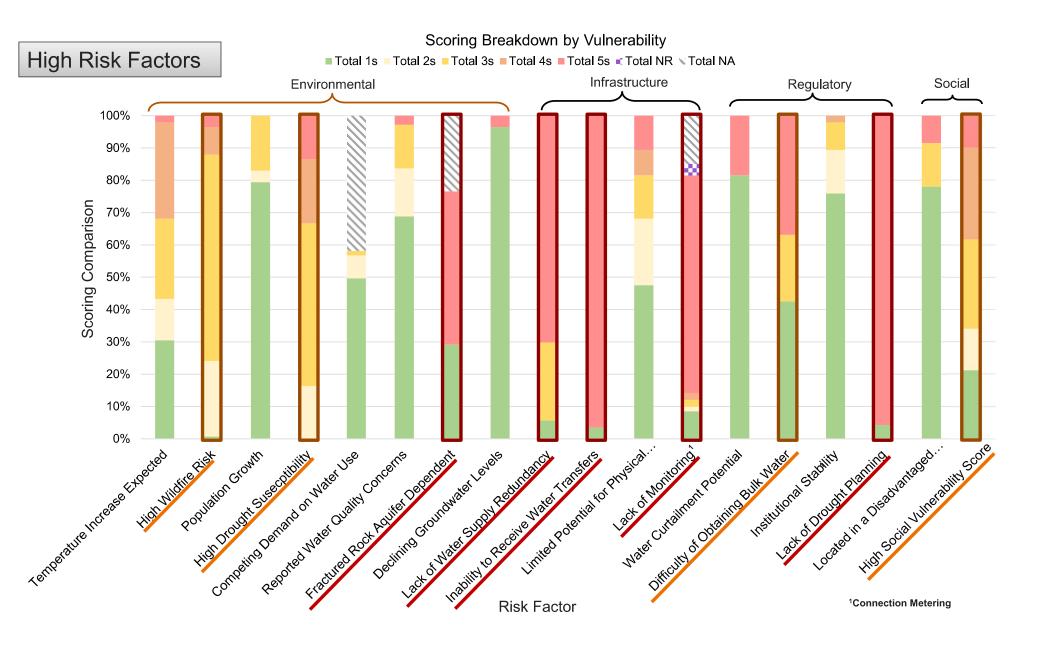
Example of criteria for risk factors from the "Environmental Vulnerabilities" category.

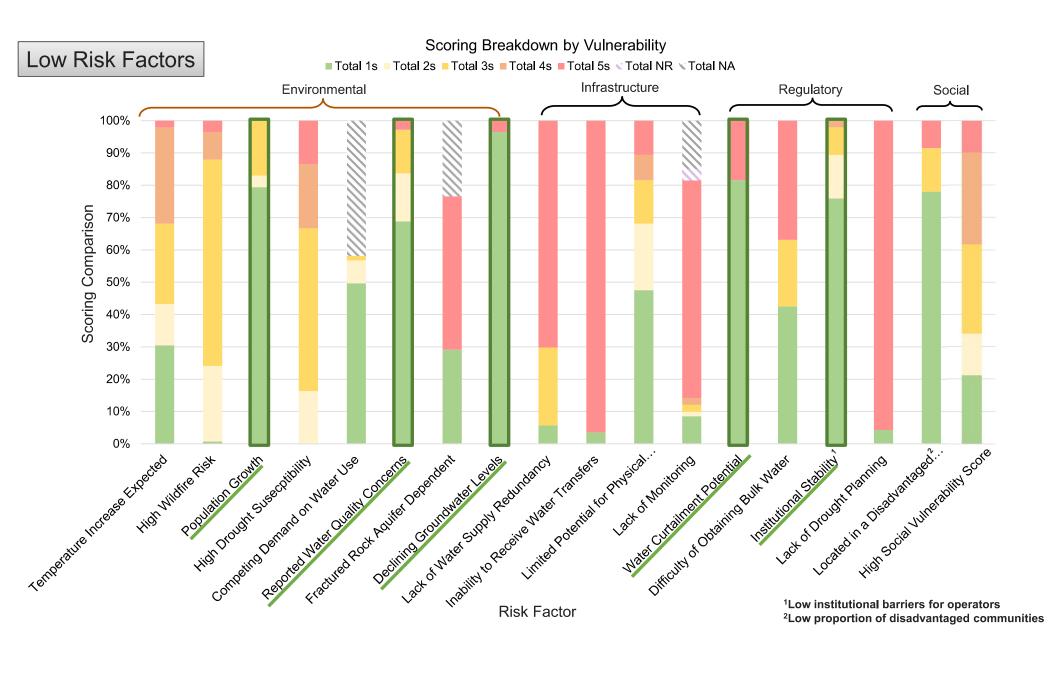
Risk Factor	1	2	2 3	3	5
Environmental Vulnerabilities					
Temperature Increase Expected	Temperature increase between 3.21° and 3.27°C	Temperature increase between 3.28° and 3.34°C	Temperature increase between 3.35° and 3.40°C	Temperature increase between 3.41° and 3.47°C	Temperature increase between 3.48° and 3.53°C
		Decadal wildfire probability between 0.13 and 0.24	Decadal wildfire probability between 0.25 and 0.36	Decadal wildfire probability between 0.37 and 0.48	Decadal wildfire probability between 0.49 and 0.60
High Wildfire Risk	Located in a Moderate Fire Hazard Severity Zone		Located in a High Fire Hazard Severity Zone		Located in a Very High Fire Hazard Severity Zone
	Not located in a Utilities Fire Threat Area		Located in a Tier 2 Utilities Fire Threat Area		Located in a Tier 3 Utilities Fire Threat Area
	0 Dry Years	1 Dry Year	2 Dry Years	3 Dry Years	4-5 Dry Years
High Drought Susecptibility					



Vulnerability Assessment Approach (putting it all together)

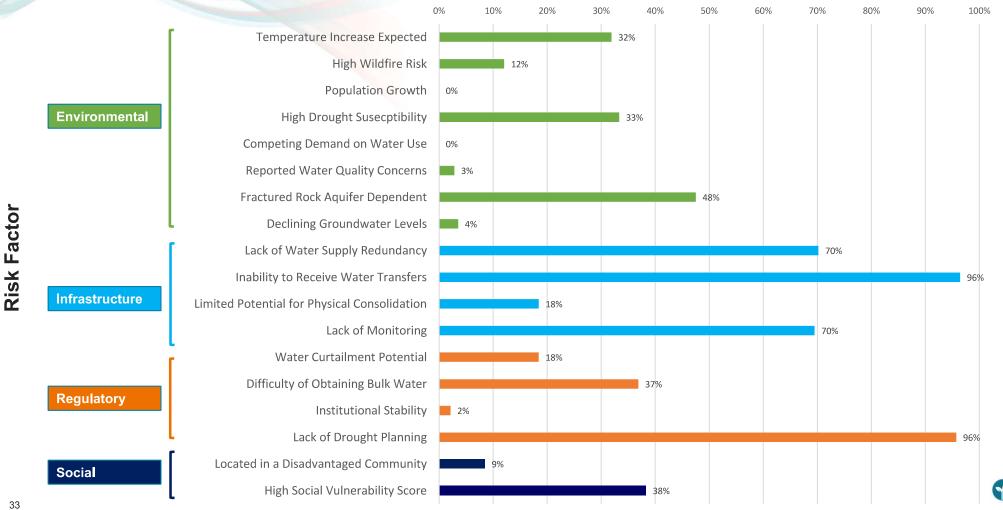






All Risk Factors

Percentage of 4s and 5s



High Risk Factors (County-wide)



Environmental Vulnerability: Fractured rock aquifers



Infrastructure Vulnerabilities:

- Lack of Water Supply Redundancy
- Inability to Receive Water Transfers
- Lack of monitoring/connection metering





Regulatory Vulnerability: 6 systems have drought planning document



Risk Factors (deeper dive)

Environmental

Risk Factors:

- Fractured Rock Aquifer Dependent
- High Wildfire Risk
- High Drought Susceptibility (i.e., number of dry years in the last 5 years)
- Temperature Increase Expected
- Reported Water Quality Concerns
- Population Growth
- Competing Demand on Water Use (based on competition with agricultural use)
- Groundwater Levels

67 systems are fractured rock aquifer dependent, all in West Slope

All systems in moderately high fire risk or higher. Five (5) areas in very high wildfire severity zone, all in the West Slope

47 systems have had multiple (3 or more) dry years in the past 5 years (relatively even Tahoe vs West Slope)

61 systems missing information on whether system is competing with agricultural water use

44 systems have identified water quality concerns

- 21 previously reported concerns and 23 <u>currently</u> have WQ concerns
- 4 systems with current concerns do not have a secondary supply and are located in the Tahoe basin
- 12 systems with current concerns are state small water systems

Population Growth appears mostly stable/steady

Stable groundwater levels



Risk Factors (deeper dive)

Infrastructure

Risk Factors:

- Lack of Water Supply Redundancy
- Inability to Receive Water Transfers
- Lack of Monitoring (e.g., percentage of metered connections)
- Limited Potential for Physical Consolidation

5 Systems with "5's" in all categories are non-community system campgrounds in the West Slope

Many (99) systems rely on one water supply:

- · Majority of these rely on wells
- Nearly even split West Slope to Tahoe Basin

Only 4 systems have the ability to receive water transfers

Many (97) systems do not have monitoring in place

Missing information on monitoring

- 21 systems are missing information on monitoring
- · All but one of these are state small water systems
- Majority are in the Tahoe Basin

Most infrastructure risk factors indicated areas of greater potential risk than other factors

Exception: Limited Potential for Physical Consolidation



Risk Factors (deeper dive)

Regulatory

Risk Factors:

- Water Curtailment Potential (whether supply is dependent upon a water right)
- Difficulty of Obtaining Bulk Water (whether near a major transportation corridor)
- Lack of Drought Planning (whether system has a drought preparedness or water shortage contingency plan)
- Institutional Stability

26 systems representing approximately 4500 connections have supply dependent upon a water right

- Relatively even split across both Tahoe and West Slope
- Nearly 4000 of the approx. 4500 connections are in residential areas in the West Slope

53 systems are not located near a major transportation corridor and may have difficulty in obtaining bulk water

Majority of these rely on wells and are in the West Slope

Most systems lack formalized drought preparedness or contingency plan, <u>exceptions</u> are:

• EID (Outingdale and Strawberry), Tahoe PUD - Rubicon, Grizzly Flats, Lukins, and Quintette (all have existing planning in place)

Low total number of systems relying on water rights (low threat of water curtailment of surface waters)

Exceptions: approx. 4500 connections within systems relying on water rights

Generally low institutional barriers for operators



Risk Factors (deeper dive)

Social

Risk Factors:

- Located in a Disadvantaged Community (whether located in a disadvantaged or severely disadvantaged community)
 Based on:
 - Disadvantaged: <80% of CA annual median household income
 - Severely disadvantaged: <60% of CA average
- High Social Vulnerability Score Based on:
 - Percent of the population 65+
 - · Percent of households with no vehicles
 - Percent of population 25 and older without a high school diploma

Data indicates many areas not serving disadvantaged communities.

 However, this is not uniform. 31 systems are classified as being located in a disadvantaged area (representing approx. 6000 connections)

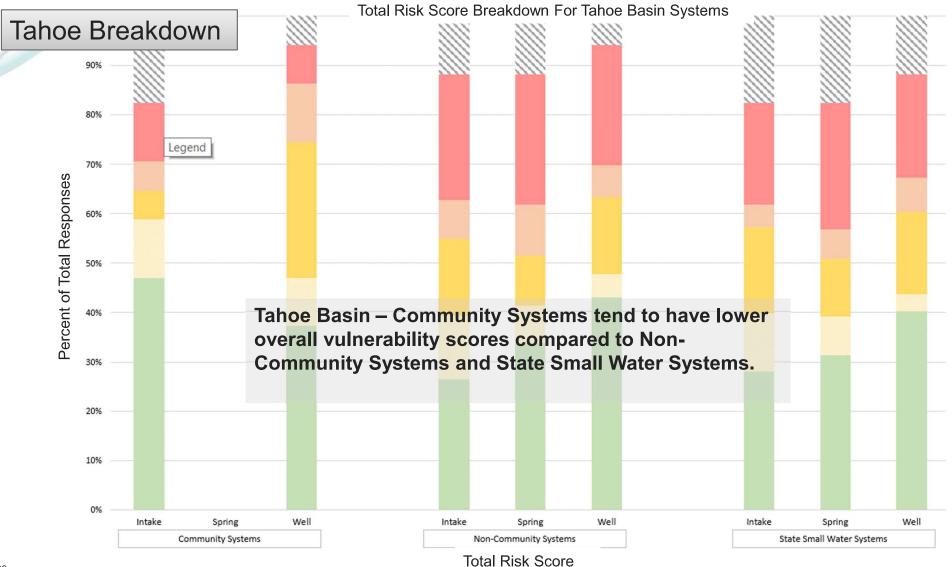
12 systems are classified as being located within a severely disadvantaged area (all in the Tahoe Basin)

High Social Vulnerability Scores relatively evenly split between Tahoe and West Slope

Overall higher average for High Social Vulnerability Scores compared to disadvantaged community factor

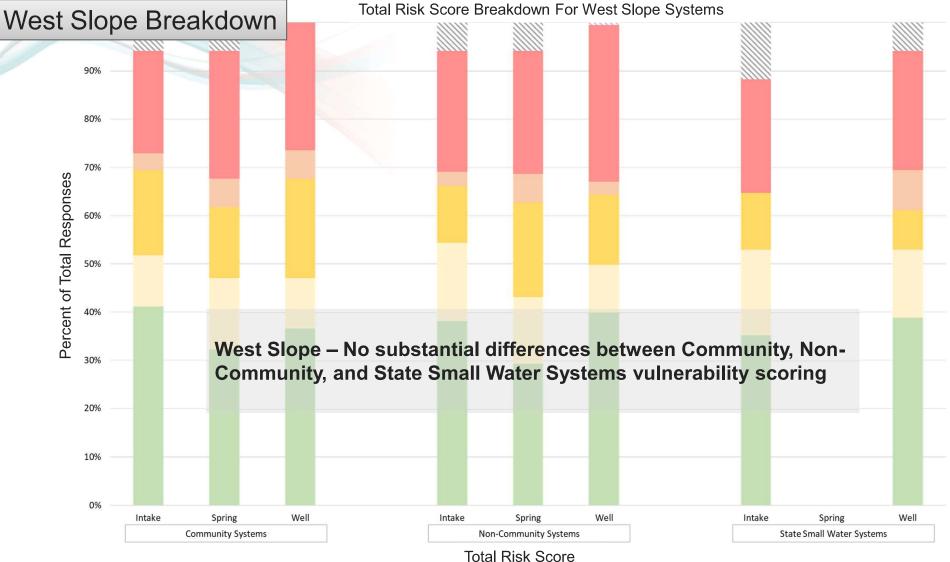
Many of these are wells in the Tahoe Basin





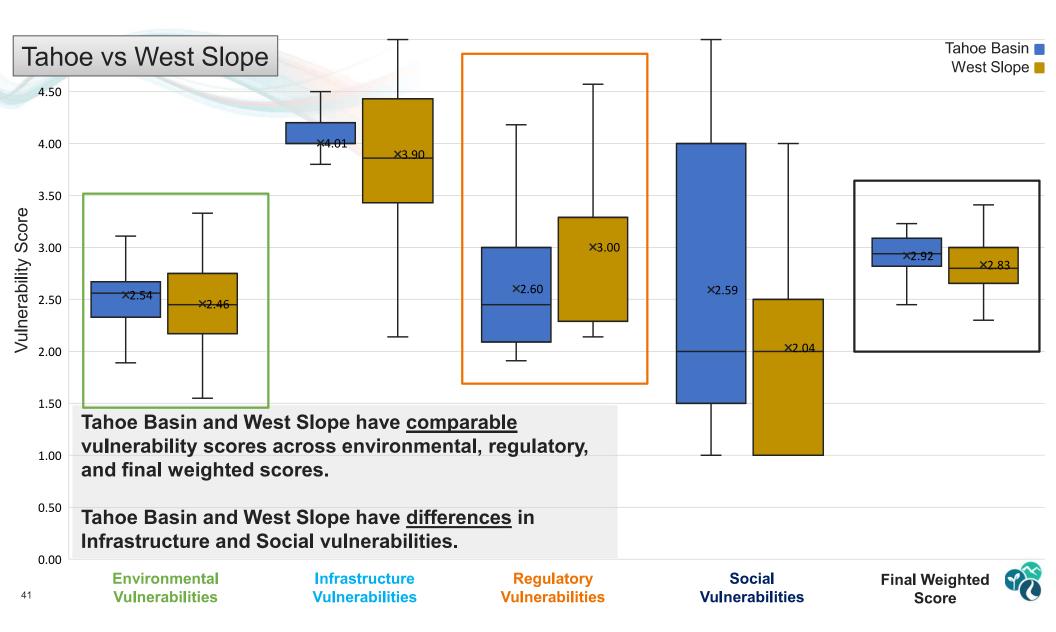
■ Total 1s ■ Total 2s ■ Total 3s ■ Total 4s ■ Total 5s ¬ Total NR ¬ Total NA

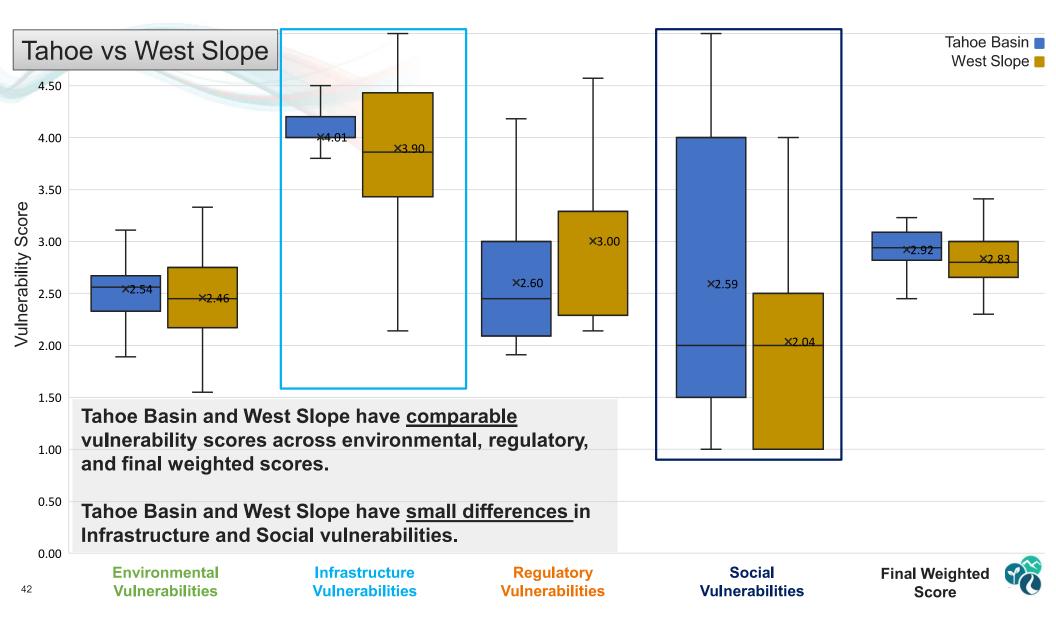




■ Total 1s ■ Total 2s ■ Total 3s ■ Total 4s ■ Total 5s ➤ Total NR ➤ Total NA







Tahoe vs West Slope Commonalities

Category	Common Issues	Common Strengths
Environmental	 Moderately high to high wildfire risk Medium drought susceptibility 	 Low population growth Low reported water quality concerns overall, although issues exist or have existed for specific areas (e.g., South Tahoe well deconstructions) with 44 systems reporting these concerns¹ Stable groundwater levels
Infrastructure	Inability to receive water transfersLack of monitoring/metering	
Regulatory	 Lack of drought planning (esp. for OCAs) Primary Systems have drought planning documents but OCA do not 	 Few systems susceptible to water curtailments Few institutional barriers (i.e., certifications)
Social	Both contain locations identified as disadvantaged	

¹A total of 44 systems have had or are currently reporting water quality concerns. There are 23 systems currently reporting concerns, while 21 systems previously had but are not currently reporting these concerns.



Tahoe vs West Slope Differences

Category	Tahoe	West Slope
Environmental		Greater Fractured Rock Aquifer Dependency
Infrastructure	 Difficulty of obtaining bulk water = 2.3 Higher lack of water supply redundancy = 4.7 	 Greater difficulty of obtaining bulk water = 3.3 Lack of water supply redundancy = 4.0
Regulatory		More of the connections dependent upon a water right are in West Slope
Social	 Higher proportion of disadvantaged communities = 2.1 All 12 of the systems identified as located within a <u>severely</u> disadvantaged community are in Tahoe 	Proportion of disadvantaged communities = 1.3



Vulnerability Assessment Key Takeaways

Category	High Risk Factors (consideration for developing mitigation measures)
Environmental	 Fractured rock aquifer dependency High Wildfire Risk High drought susceptibility (number of dry years in the last 5 years) 61 systems are missing information on whether system demand is competing with agriculture Significant number of systems have water quality concerns (44), several have no secondary supply, 12 are small state systems.
Infrastructure	 Lack of water supply redundancy (99 systems) Inability to Receive Water Transfers (only 4) Lack of monitoring/connection metering (97) 21 systems have missing information; all but one of these are state small systems Majority are in Tahoe Basin

Vulnerability Assessment Key Takeaways

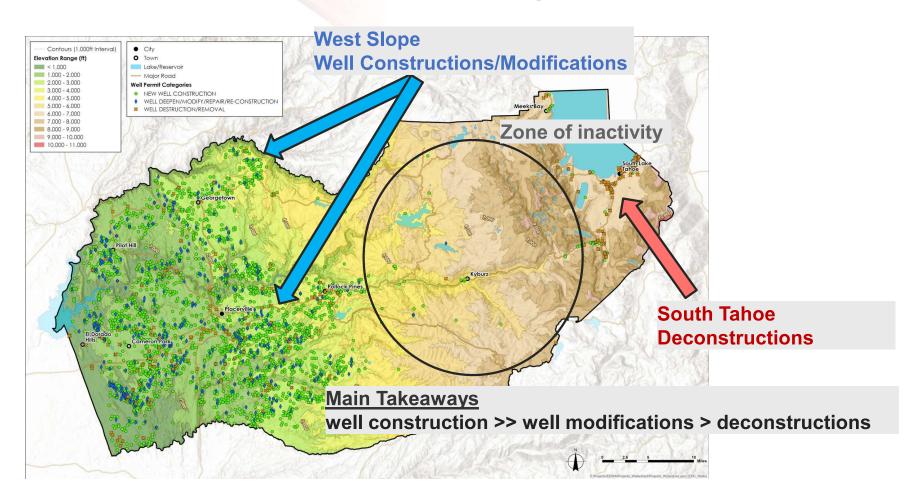
Category	High Risk Factors (consideration for developing mitigation measures)
Regulatory	 Lack of drought planning (esp. for OCAs. Except EID, Tahoe PUD - Rubicon, Grizzly Flats, Lukins) ~4500 connections have supply dependent on a water right Nearly 4000/4500 connections are in residential areas in West Slope 53 systems are not located near a major transportation corridor and may have difficulty in obtaining bulk water Majority of these rely on wells and are in the West Slope
Social	 High number of connections located in disadvantaged areas 31 systems, 6000 connections are in disadvantaged area 12 systems (all in Tahoe Basin) are severely disadvantaged Both areas have systems that fall within the High Social Vulnerability Score 4s and 5s (48% of systems for Tahoe and 32% of systems for West Slope)

Domestic Wells

- What information do we have?
 - El Dorado County well database (as of May 2024)
 - Permit Record ID, Permit category
 - Location APN, latitude, longitude, City Name
 - Well characteristics Well pumping rate and depth
 - Dates Permit approved date and final inspection date
- Mapping/Analyses done thus far:
 - Permit Categories (Construction, Modification/Deepening, Deconstruction)
 - Depth trends
- Additional mapping/analyses that can be done:
 - Age trends
 - Wildfire risk
 - Declining Groundwater Levels
 - Fractured Rock Aquifer Dependent
 - Disadvantaged Communities

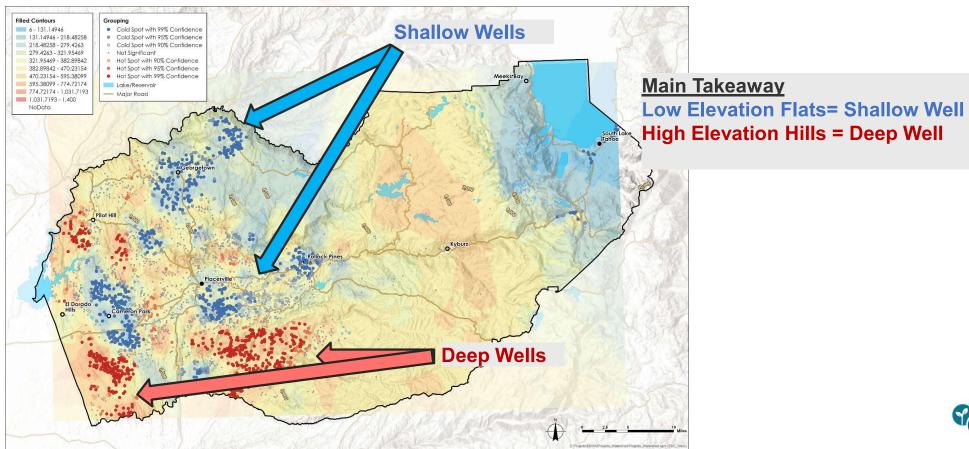


Domestic Well Permit Categories

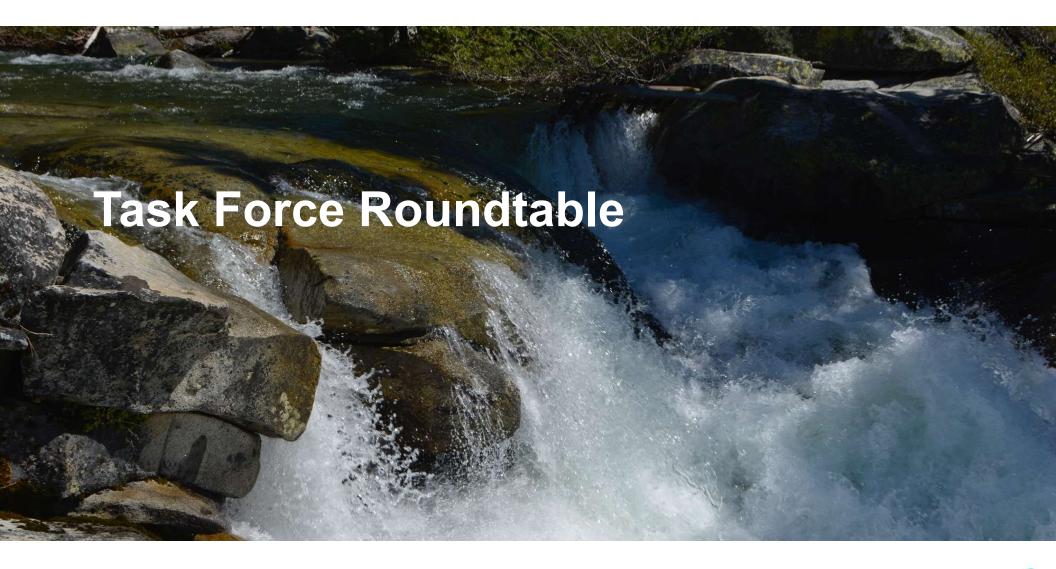




Domestic Well Depth Analysis









Roundtable

Anecdotes: What personal experience in dealing with drought can you share?

Concerns: Are there any immediate or long-term concerns with how we should be preparing for and managing drought?

Success stories: What solutions have you seen work in the past for our communities?

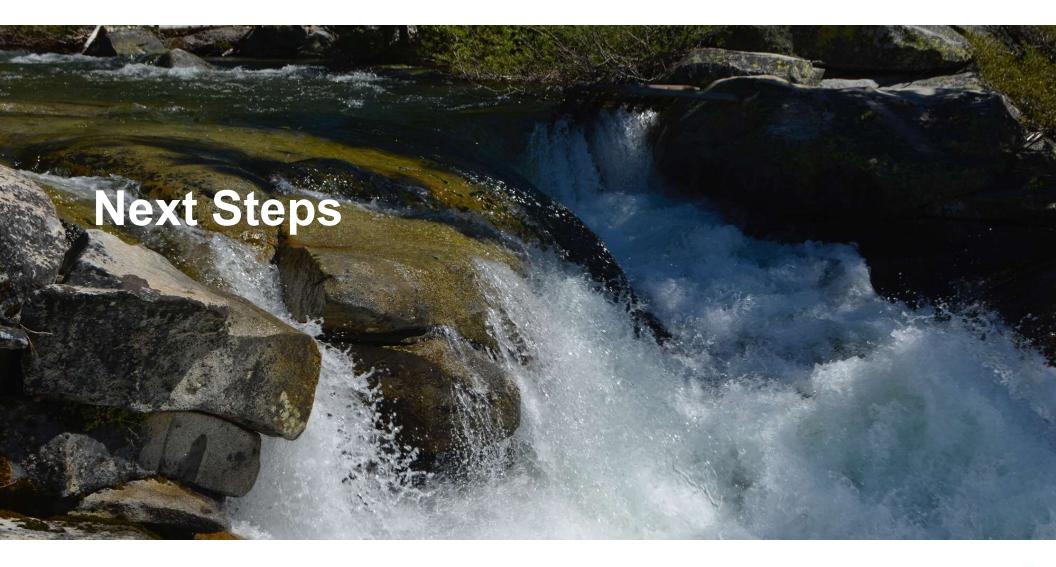




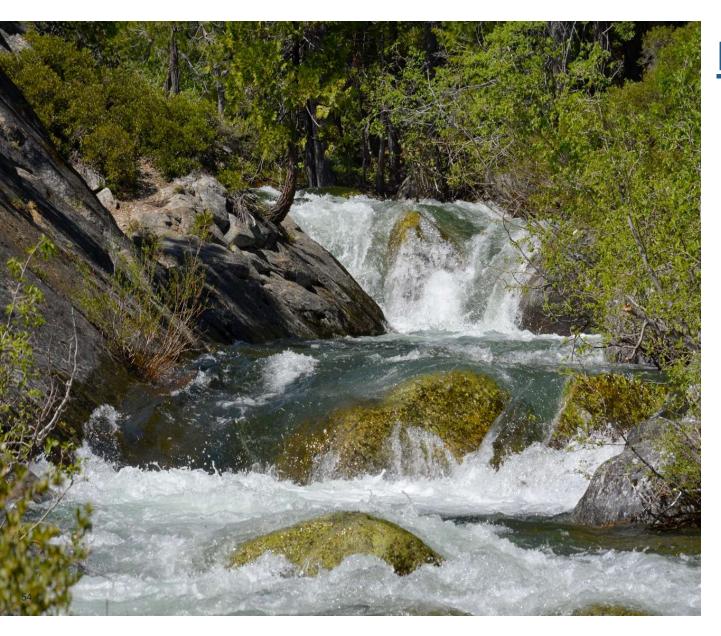
Questions?

Do you have any questions for the CDRP development team?









Next Steps

October

Completion of written sections for CDRP Risk and Vulnerability Assessment results integrating feedback from TF Discussion

November

Task Force Request: Review and update Short- and Longterm Actions lists

Scheduling and preparation of Task Force Meeting #2



Next Steps: What's coming your way...

The team will be looking for input on:

- Short-term Emergency Response Actions
 - These address immediate impacts of drought (e.g., water shortage and water quality issues)
- Long-term Mitigation Actions
 - These include projects, activities, or processes taken to reduce or eliminate long-term impacts from drought conditions

The following slides provide a preliminary list of both short- and long-term actions as a "look ahead" for Task Force Meeting #2. – **Keep in mind that actions to support systems may vary depending on type of system.**



County CDRP Table 3-X. Short-Term Emergency Response Actions for Small Water Systems [PREVIEW]

Action	Response or Mitigation Action Category	Lead Entity(ies)
Treat available water from non-regular sources ¹	Water Supply	SWS
Maintain (and possibly expand) water filling station locations	Emergency Potable Water Supply	EID, GDPUD, County
Water trucking and bulk water hauling	Emergency Potable Water Supply	SWS
Purchase packaged or bottled water	Emergency Potable Water Supply	SWS
Enact water rationing	Water Conservation	SWS
Develop mutual aid agreements with SWS or PWA	Planning and Assistance	County, Agency, SWS
Develop and implement streamlined well permitting system during drought or water shortage events	Planning and Assistance	County
More frequent County Drought and Water Shortage Task Force coordination	Planning and Assistance	Agency, County

<u>Key</u>: El Dorado Water Agency (Agency); County of El Dorado (County); El Dorado Irrigation District (EID); Georgetown Divide Public Utility District (GDPUD); public water agency (PWA); small water system(s)(SWS)

¹ When regular sources of water become scarce, residents may suggest the use of alternate water supplies that may have been rejected for use in the past or new water supplies that residents secure on a short-term basis. Approval for use of alternative supply required by the State Water Board or County Public Health Officer for domestic use. (DWR County Drought Resilience Plan Guidebook, Section 4-7).



County CDRP Table 4-X. Long Term Mitigation Actions [PREVIEW]

Action	Response or Mitigation Action Category	Lead Entity(ies)
Drill new wells or deepen existing ones	Water Supply	SWS
Install water treatment facilities	Water Supply	SWS
Install reserve tanks	Water System Infrastructure	SWS
Install emergency intertie with neighboring SWS	Water System Infrastructure	SWS
Update water system infrastructure	Water System Infrastructure	SWS
Line/coat canals or other conveyance infrastructure	Water System Infrastructure	SWS
Install standby generator	Water System Infrastructure	SWS
Pursue physical consolidation	Consolidation	SWS
Pursue managerial consolidation	Consolidation	SWS
Encourage and implement water conservation measures	Water Conservation	SWS, County, Agency
Install flow meters	Water Conservation	SWS
Improve leak reporting and response programs	Water Conservation	County, Agency
Conduct water loss audits	Water Conservation	SWS
Improve efficiency of existing irrigation systems	Water Conservation	SWS
Implement volumetric rate structure	Water Conservation	SWS
Install groundwater level monitoring devices	Data/Information	Well Owners

<u>Key</u>: El Dorado Water Agency (Agency); County of El Dorado (County); El Dorado Irrigation District (EID); Georgetown Divide Public Utility District (GDPUD); public water agency (PWA); small water system(s)(SWS)



County CDRP Table 4-X. Long Term Mitigation Actions (continued)

Action	Response or Mitigation Action Category	Lead Entity(ies)
Establish well monitoring network in the West Slope	Data/Information	Agency, County
Develop a county-wide dry well reporting system	Data/Information	County
Update the County website with drought resources	Data/Information	County
Update the Agency's online mapping and data portal	Data/Information	Agency, County
Maintain accurate SWS service area boundaries	Data/Information	SWS
Update the County permits/forms to collect relevant water- and system-related data	Data/Information	County
Develop and maintain drought preparedness or Water Shortage Contingency Plans	Planning and Assistance	SWS
Develop and maintain emergency response or drinking water distribution plan	Planning and Assistance	SWS
Update the County's Local Hazard Mitigation Plan	Planning and Assistance	County
Perform an annual drought supply evaluation	Planning and Assistance	SWS
Provide technical assistance for SB 552 compliance	Planning and Assistance	Agency, County
Support and assist with funding opportunities	Planning and Assistance	Agency
Collaborate with SAFER's Water Partnership Training Program	Education	Agency
Collaborate with the Rural Community Assistance Corporation's training and workshops	Education	Agency
Educate residents about water conservation	Education	Agency, County, SWS
Educate customers about the resources available during drought or water shortage events	Education	Agency, County

<u>Key</u>: El Dorado Water Agency (Agency); County of El Dorado (County); El Dorado Irrigation District (EID); Georgetown Divide Public Utility District (GDPUD); public water agency (PWA); small water system(s)(SWS)



Next Steps: Task Force Meeting Schedule

Task Force Meeting	Proposed Date	Meeting Focus
Task Force Meeting 1	Oct. 14 th	Risk and vulnerability assessments
Task Force Meeting 2*	Nov. 21 st	Long-term mitigation actions and short- term emergency response actions
Task Force Meeting 3*	Feb. 27 th (2025)	Draft Drought and Water Shortage Resilience Plan, especially Implementation Plan Section

^{*}Dates subject to change with Task Force availability





