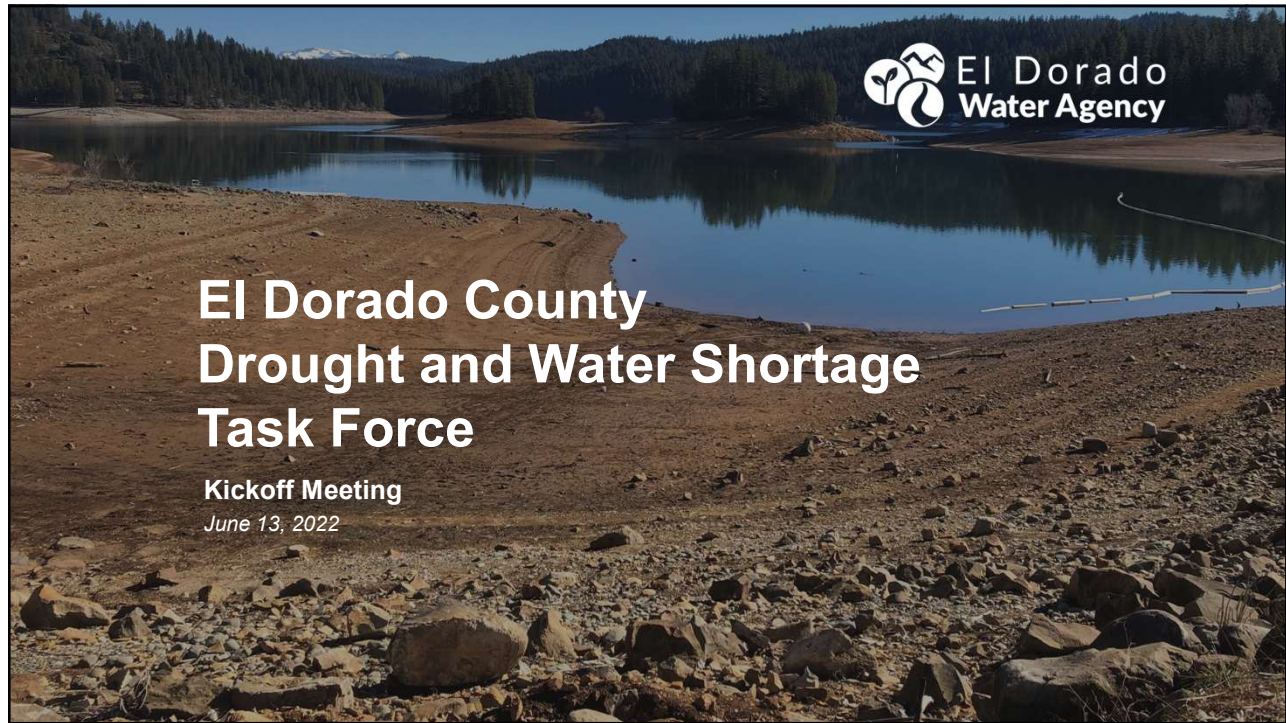
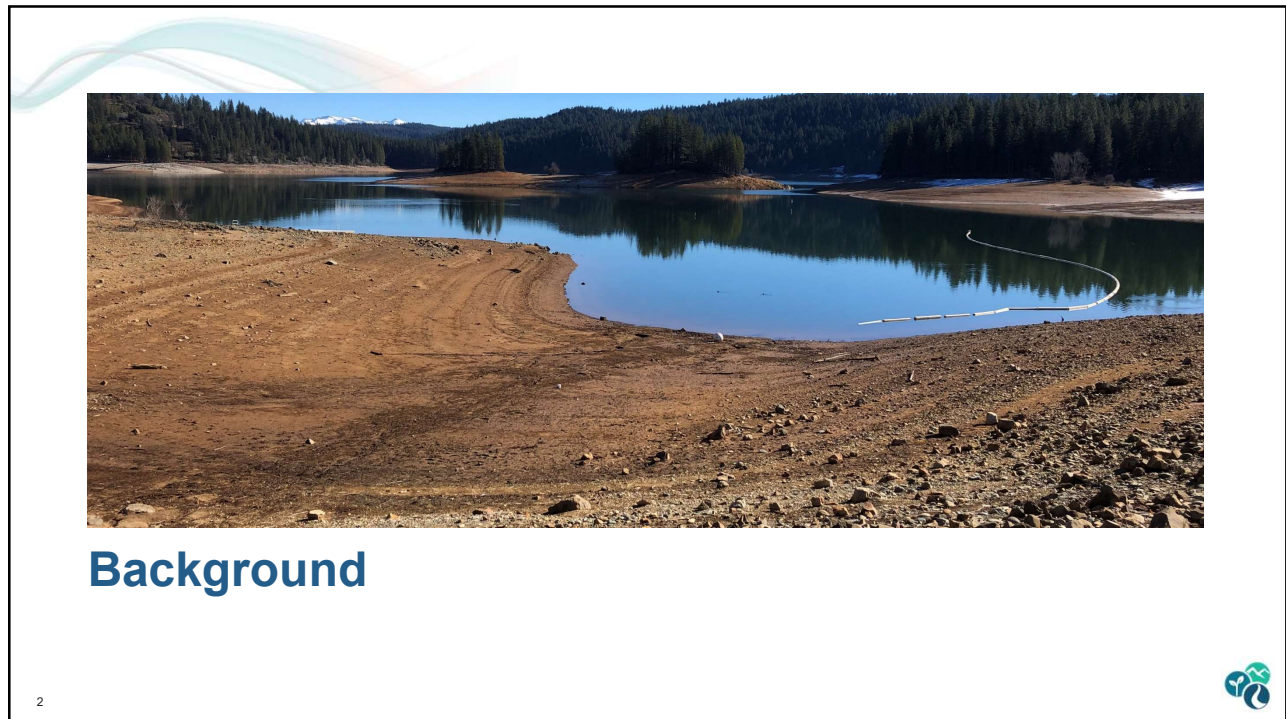




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## Preceding Legislation and Drought Planning

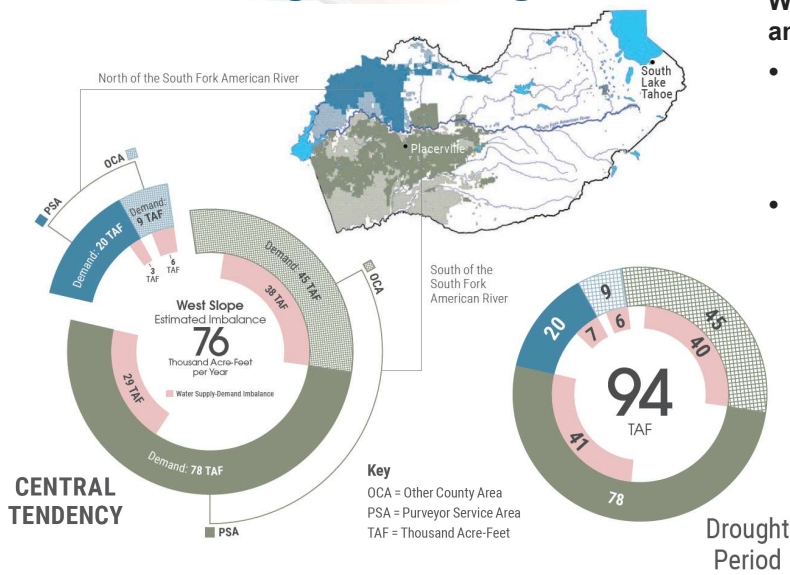
- **Assembly Bill 1668** and **Senate Bill (SB) 606** (passed in June 2018) outlined directives related to urban and agricultural water use efficiency and countywide drought resiliency
- The **County Drought Advisory Group** (formed in November 2018)
  - Included El Dorado Water Agency (EDWA) and other members
  - Identified small water suppliers and rural communities at risk of drought and water shortage
  - Developed recommendations and guidance to address the needs of these communities
  - Informed SB 552

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## EDWA's Drought Planning Efforts



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### Water Resources Development and Management Plan (WRDMP)

- Forecasts a water supply-demand imbalance in the future, which will be exacerbated during drought periods
- Resource Management Strategies (RMS) identified water supply-related challenges.
  - **RMS 7:** Improve Drought and Water Shortage Preparedness
  - **RMS 8:** Ensure All Residents Have Water Accessibility and Affordable Water



## EDWA's Drought Planning Efforts

### Upper American River Basin Regional Drought Contingency Plan (UARB RDCP)

Developed to increase resiliency of water resources in the face of climate change and droughts.



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## Senate Bill 552 Requirements

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## 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



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## Small Water Systems in El Dorado County

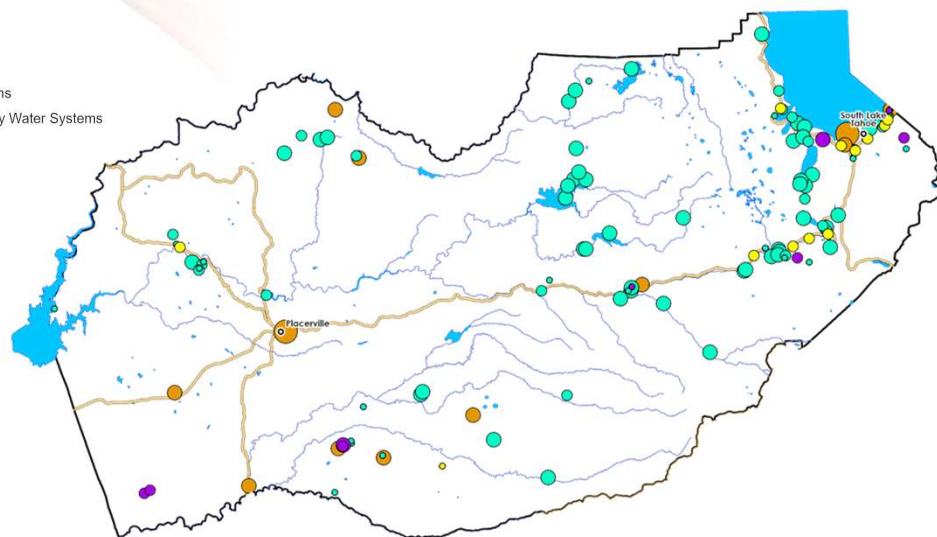
### Service Type

- Community Water Systems
- Non-Community Water Systems
- Non-Transient Non-Community Water Systems
- State Small Water Systems

### City

### Service Connections

- <5
- 5 - 14
- 15 - 999
- 1,000 - 2,999



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## Small Water 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         |
| <b>Total</b>                    | <b>15</b>               | <b>97</b>                  | <b>9</b>                                | <b>20</b>                | <b>141</b> |

N/A = not applicable per definition



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### 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



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## 1. Community water systems serving 1,000-2,999 service connections and nontransient noncommunity water systems that are schools – *Required Resiliency Measures*

- By January 1, 2023, **implement monitoring systems** sufficient to detect production well groundwater levels.
- By January 1, 2023, **maintain membership** in the California Water/Wastewater Agency Response Network (CalWARN) or similar mutual aid organization.
- By January 1, 2024, to ensure continuous operations during power failures, **provide adequate backup electrical supply**.
- By January 1, 2027, **have at least one backup source of water supply, or a water system intertie**, that meets current water quality requirements and is sufficient to meet average daily demand.
- By January 1, 2032, **meter each service connection and monitor** for water loss due to leakages.
- By January 1, 2032, have source system capacity, treatment system capacity if necessary, and distribution system capacity to **meet fire flow requirements**.

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## 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

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

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### County Drought Plan Elements

- Plan elements must include:
  - Potential drought and water shortage risk
  - Proposed interim and long-term solutions for state small water systems and domestic wells
- Consider at a minimum:
  - **Consolidations** for existing water systems and domestic wells
  - Domestic well drinking water **mitigation programs**
  - Provision of **emergency and interim drinking water solutions**
  - An analysis of the **steps necessary to implement** the plan
  - An analysis of **funding sources** available to implement the plan

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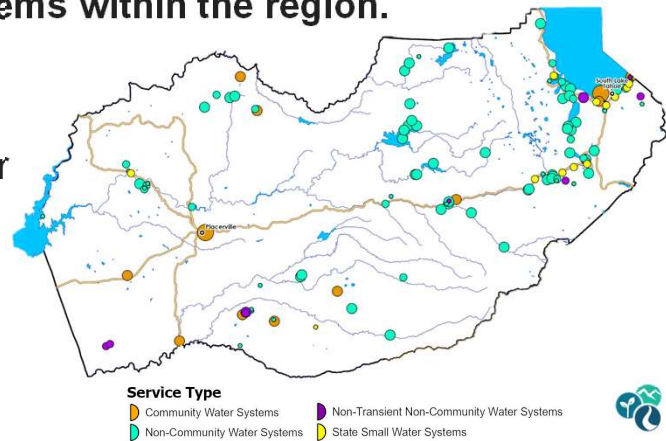


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## El Dorado County Drought Plan

To address the concerns discussed in the WRDMP and UARB RDCP, **El Dorado County's Drought Plan will address all small water systems within the region.**

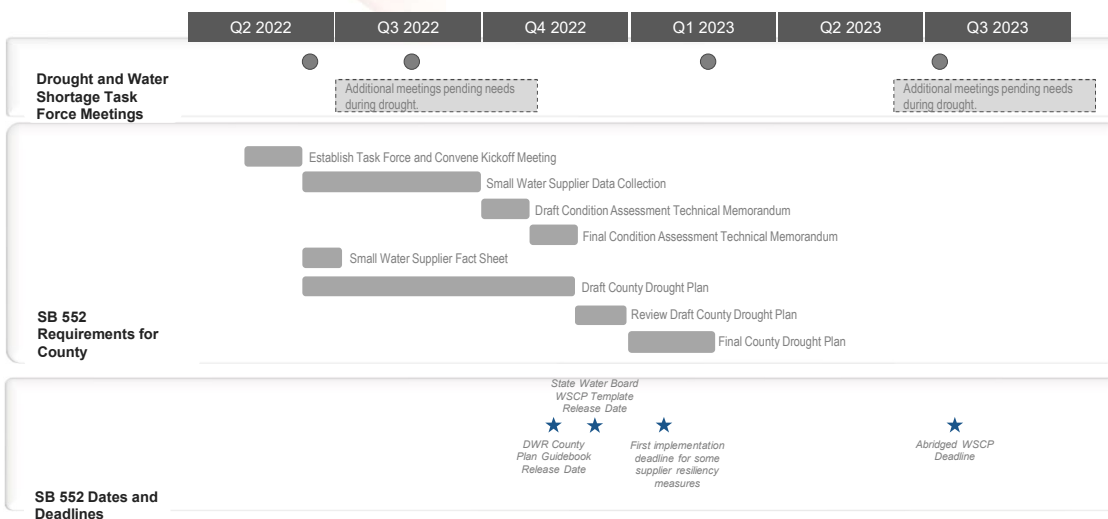
**This goes beyond what is required by SB 552**, which only requires addressing water shortage preparedness for state small water systems and domestic wells.



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## SB 552 Implementation Schedule



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## Task Force Roles and Responsibilities

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## Drought and Water Shortage Task Force Roles

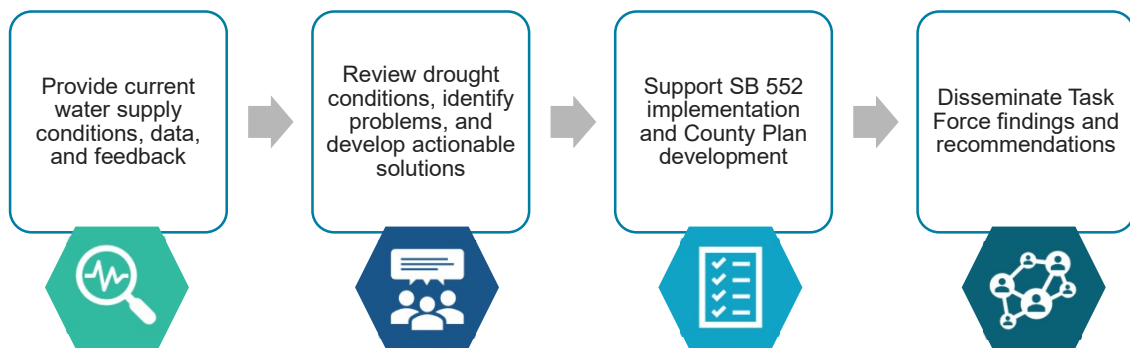
- Pursuant to Health and Safety Code Part 12, Chapter 4, § 116330, the **Local Primary Agency (i.e., County of El Dorado, Environmental Management Department) is responsible for public water systems.**
- Pursuant to California Code of Regulations Title 22, Chapter 14, § 64211 to 64217, **the local health officer or agency (i.e., County of El Dorado, Public Health Office) is responsible for state small water systems**
  - State small water systems are not public water systems because they have less than 15 service connections

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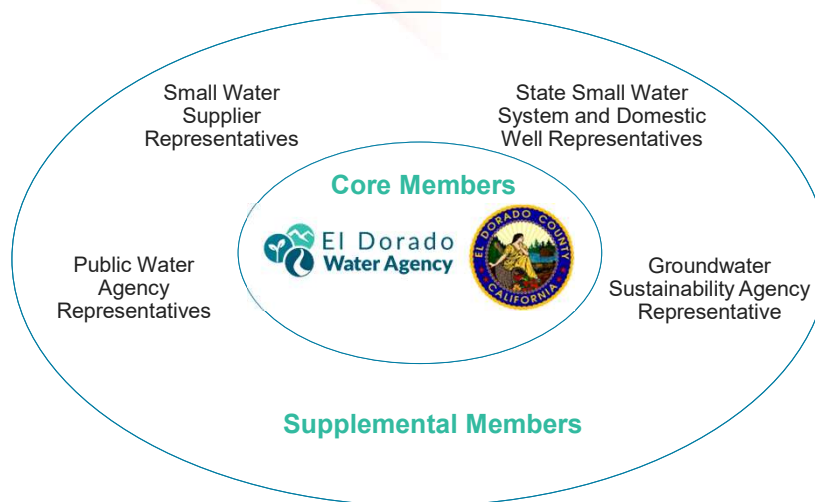
## Drought and Water Shortage Task Force Responsibilities



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## Drought and Water Shortage Task Force Membership and Schedule



### Meeting Frequency

- 2-3 times a year
- More frequently during drought or other water shortage events as needed

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## Current Drought Conditions & Needs

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## Executive Order N-7-22

- Issued March 28, 2022
- **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”

<https://www.gov.ca.gov/wp-content/uploads/2022/03/March-2022-Drought-EO.pdf>

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## Emergency Regulation for Conservation

- Adopted May 24, 2022 by State Water Resources Control Board
- Requires urban water suppliers to submit an 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 (10-20% shortage) by June 10, 2022
  - Suppliers that have not submitted a Water Shortage Contingency Plan must implement certain actions related to outreach and water use.
- Prohibits irrigation of non-functional turf at commercial, industrial, and institutional sites

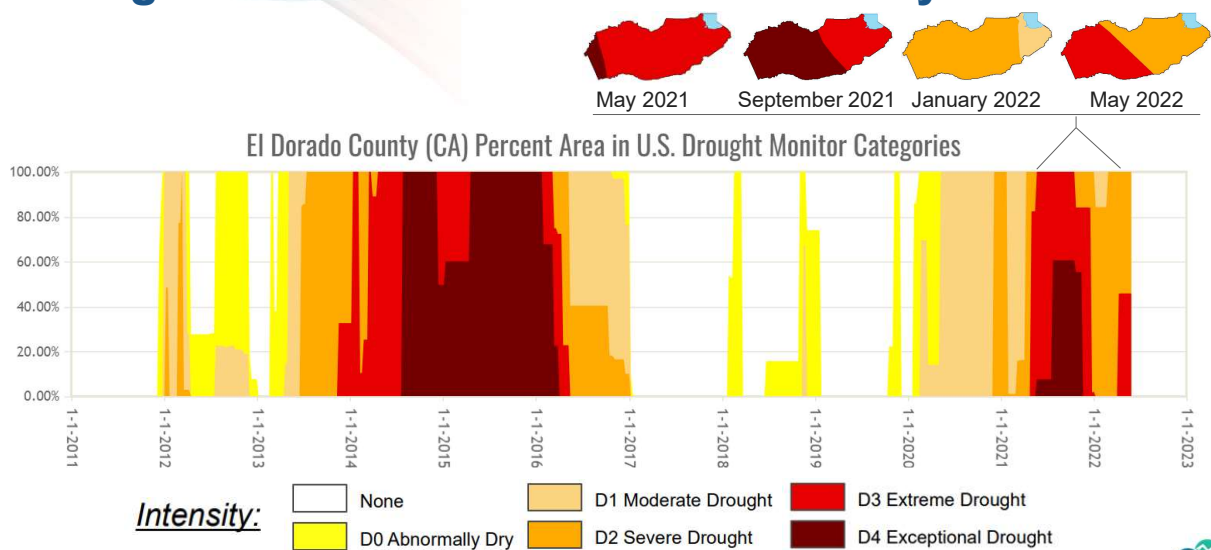
[https://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2022/rs2022\\_0018.pdf](https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2022/rs2022_0018.pdf)

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## Drought Conditions in El Dorado County



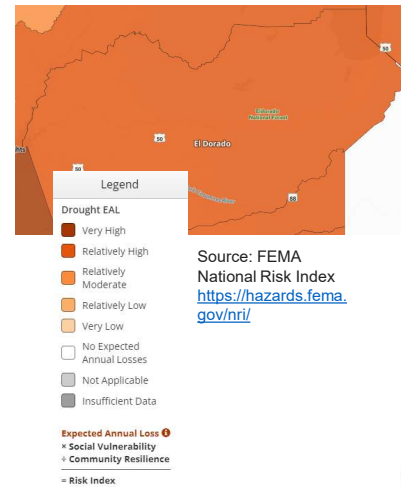
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## Additional Drought and Water Shortage Tools

- FEMA's National Risk Index
- DWR's California Water Watch
- DWR's Drought and Water Shortage Risk Explorer
- DWR's Dry Domestic Well Susceptibility Dashboard
- DWR's Well Completion Report Map Application
- State Water Board's SAFER Dashboard
- State Water Board's SAFER Needs Assessment Dashboard



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## Response Actions and Emergency Drinking Water Solutions



Where will emergency water come from?



How will emergency water be distributed?



How will emergency water be funded?



How will information be gathered and shared?

26

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## Moving Forward

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## Phased Approach to SB 552 Compliance

### 1. Prioritization and early planning

- Identify gaps & needs
- Identify priorities for grant funding
- Identify actionable next steps



Currently here



### 2. Continued planning and information gathering

- Data collection
- Small water systems evaluation
- DWR workshops



### 3. Implementation of plans and strategies



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## Potential Funding Opportunities

| Agency                                                                                                | Program/Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State Water Resources Control Board: Safe and Affordable Funding for Equity and Resilience (SAFER)    | <ul style="list-style-type: none"> <li>Statewide Bottled Water for Schools Program</li> <li>Drinking Water for Schools Grant Program</li> <li>Feasibility Analyses and Technical Evaluations Project</li> <li>Drinking Water Program Technical Assistance</li> <li>Technical Assistance to Implement the Safe and Affordable Drinking Water Fund</li> <li>Comprehensive Prop. 1 Technical Assistance and Support Program</li> <li>Statewide Leak Detection Technical Assistance Program</li> <li>Comprehensive Assistance to Tribal and Small Systems Project</li> <li>Aoki Water Clinic</li> <li>Drinking Water and Wastewater Technical Assistance</li> </ul> |
| United States Department of Agriculture: Rural Development and Natural Resources Conservation Service | <ul style="list-style-type: none"> <li>Emergency Community Water Assistance Grants</li> <li>Circuit Rider Program – Technical Assistance for Rural Water Systems</li> <li>Rural Decentralized Water Systems Grant Program</li> <li>Rural Utilities Service Grants</li> <li>Emergency Watershed Protection Program</li> </ul>                                                                                                                                                                                                                                                                                                                                    |
| Department of Water Resources                                                                         | Small Community Drought Relief Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Office of Planning and Research                                                                       | <ul style="list-style-type: none"> <li>Adaptation Planning Grant Program</li> <li>Regional Resilience Planning and Implementation Grant Program</li> <li>Community Resilience and Heat Grant Program</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



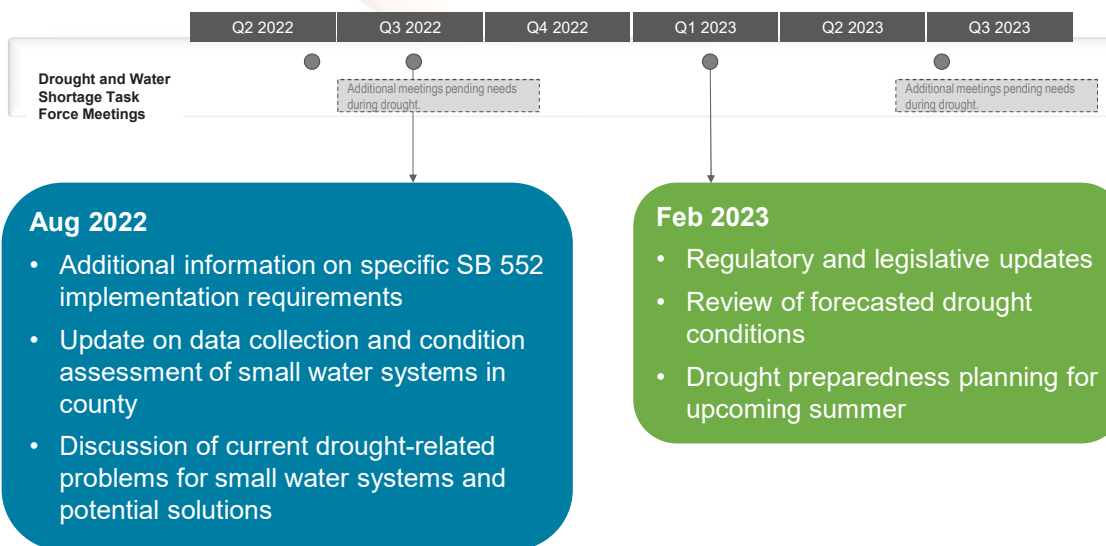
Committed to the future of rural communities.



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## Future Meetings Topics



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