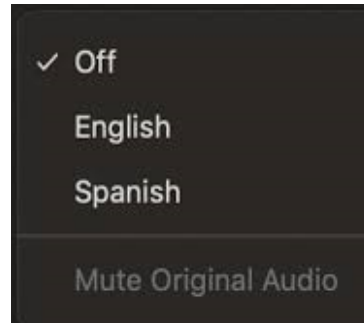
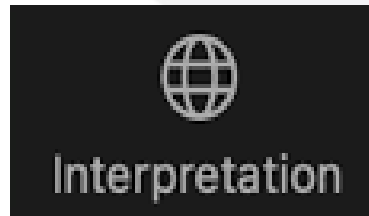


Language Interpretation through Zoom

- Click Interpretation icon in your Meeting/Webinar controls
 - Navigate to Language Channels
 - Select Spanish
 - Mute Original Audio



For technical assistance, email: SAFER@waterboards.ca.gov

Interpretación de idiomas en Zoom

- Seleccione el icono de interpretación desde los controles de la pantalla
 - En el menú de opciones, seleccione el idioma español (*Spanish*)
 - Seleccione la opción para silenciar el audio original (*Mute Original Audio*)

Si necesita ayuda técnica, envíe un mensaje electrónico a: SAFER@waterboards.ca.gov

Ways to Participate

Watch ONLY

Visit video.calepa.ca.gov

Submit a Comment

Email SAFER@waterboards.ca.gov with subject “AGM Public Comment,” and follow instructions in return email to join the meeting.

Technical or Language Assistance

Email SAFER@waterboards.ca.gov



SAFER Drinking Water Advisory Group Meeting #1

March 3, 2022
8:30am-12pm





Water Boards' Mission

Preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use, for the benefit of present and future generations.

Meeting Guidelines

- Mute yourself when not speaking
- Join by video (if possible)
- Take breaks as needed
- Speak slowly
- safer@waterboards.ca.gov



Agenda

Drinking Water Needs Assessment

Public Comment

Outreach and Engagement Strategy

Public Comment

SAFER Program Updates

Next Steps

Introductions and Warmer

- Your name
- Your affiliation
- Your location
- In one sentence, share:
What is one thing you would like to accomplish as an Advisory Group member this year?



Discussion Session #1:

Drinking Water Needs Assessment

Kristyn Abhold

Division of Drinking Water
Needs Analysis Unit



Needs Assessment Components



Risk Assessment

Community Water Systems; K-12 Schools; SSWS, & DWs



Cost Assessment

HR2W & At-Risk Systems and Domestic Wells



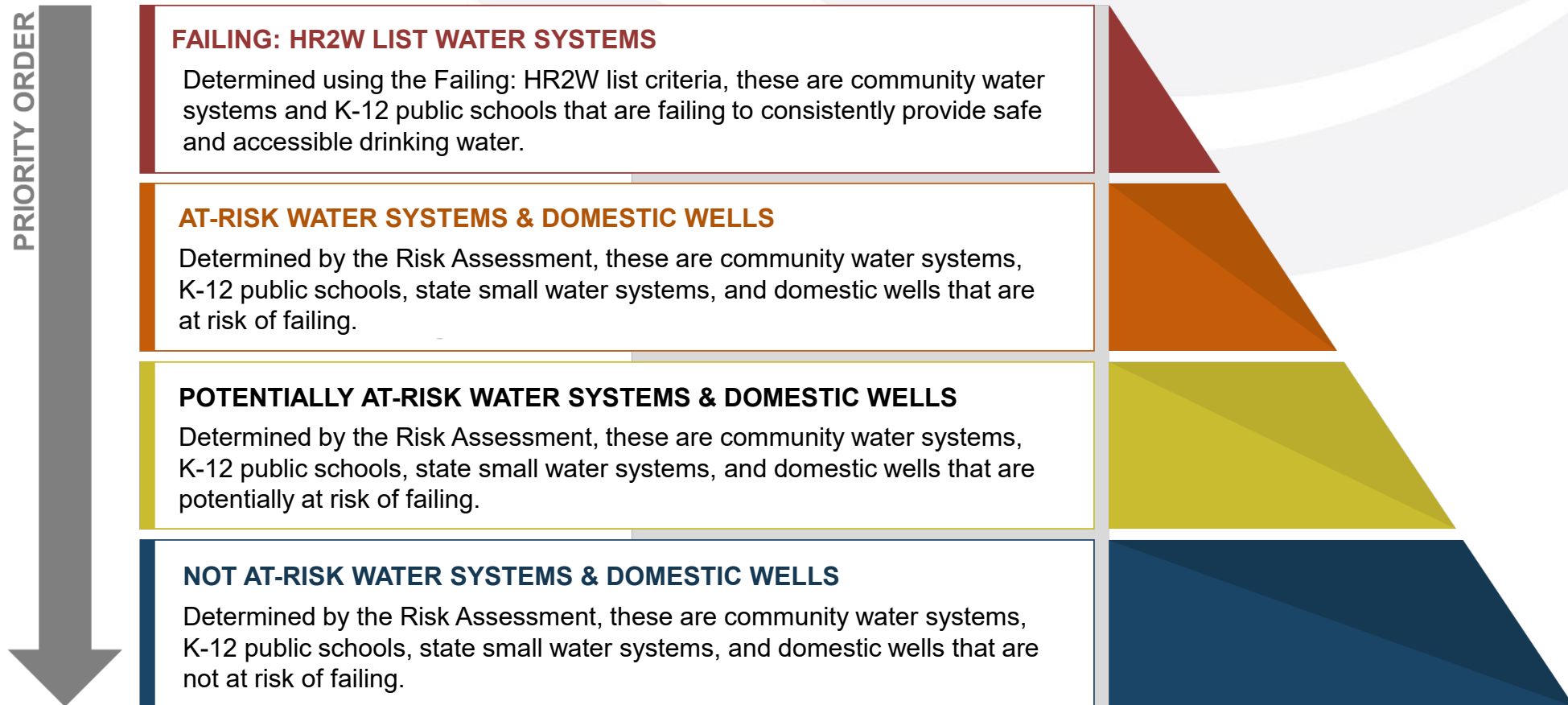
Affordability Assessment

DAC/SDAC Community Water Systems

bit.ly/DrinkingWaterNeedsAssessment

Senate Bill 200 (SB 200) and the Needs Assessment

The Drinking Water Needs Assessment helps inform prioritization of SAFER resources: funding, technical assistance, consolidation outreach, administrators etc.



Access the Full 2021 Needs Assessment Report

The screenshot shows the California Water Boards website with the following content:

- Navigation:** Home, Share (Facebook, Twitter, YouTube, LinkedIn), About Us, Contact Us, Subscribe, Settings.
- Menu:** Board, Programs, Drinking Water, Water Quality, Water Rights, Notices, Water Boards, Search.
- Page Title:** California Drinking Water Needs Assessment
- Needs Assessment Core Components:**
 - Risk Assessment
 - Cost Assessment
 - Affordability Assessment
- Text:**

In 2019, to advance the goals of the Human Right to Water "HR2W", California passed Senate Bill 200, which enabled the State Water Board to establish the Safe and Affordable Funding for Equity and Resilience (SAFER) Program. Foremost among the tools created for SAFER is the Safe and Affordable Drinking Water Fund. The Fund provides up to \$130 million per year through 2030 to enable the State Water Board to develop and implement sustainable solutions for underperforming drinking water systems. The annual Fund Expenditure Plan prioritizes projects for funding, documents past and planned expenditures, and is "based on data and analysis drawn from the drinking water Needs Assessment."

For more information on SAFER, visit the Safe and Affordable Fund for Equity and Resilience (SAFER) website.
- NEW:** 2021 Needs Assessment
- 2021 Drinking Water Needs Assessment:**
 - 2021 Drinking Water Needs Assessment Results
 - Final Report
 - Executive Summary
 - Request Water System Data Change
 - 04.09.2021 Press Release
 - 04.13.2021 Presentation (coming soon) Register Here
 - 04.13.2021 Webinar Recording (coming soon) Register Here
- Quick Links:** Capacity Development, SAFER Program, SAFER Funding, Human Right to Water Information, Human Right to Water Map, UNC Small System Rates Dashboard, Public Drinking Water General Information.
- Contact:** Kristyn Abhold, Kristyn.Abhold@Waterboards.ca.gov
- Translation:** If you need assistance with this webpage in Spanish, please contact Mandy Roman at (916) 341-5265 or at LanguageServices@waterboards.ca.gov. Si necesita asistencia en español con esta página web, puede contactar a Mandy Roman al (916) 341-5265 o en LanguageServices@waterboards.ca.gov.

Access report here:

bit.ly/2021NeedsAssessment

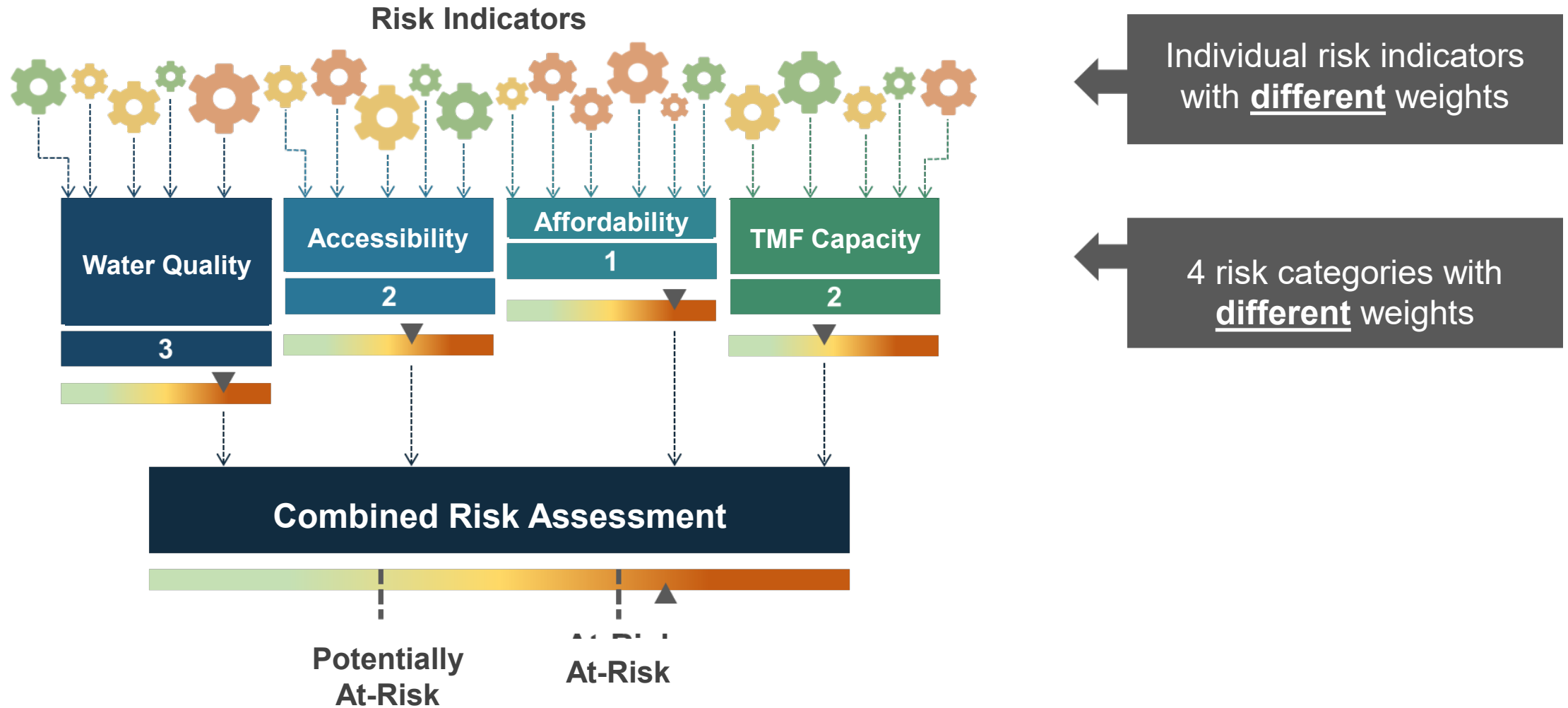
Learn more about the Needs Assessment:

bit.ly/DrinkingWaterNeedsAssessment

Proposed Changes: Risk Assessment for Public Water Systems



Aggregated Risk Assessment with Indicator & Category Weights



2021 Risk Indicators

The State Water Board utilized 19 risk indicators for the 2021 Risk Assessment.

WATER QUALITY

E. Coli Presence

Increasing Presence of
Water Quality Trends
Towards MCL

Treatment Technique
Violations

Past Presence on the
HR2W List

Maximum Duration of High
Potential Exposure (HPE)

Percentage of Sources
Exceeding an MCL

ACCESSIBILITY

Number of Sources

Absence of Interties

Water Source Types

DWR – Drought & Water
Shortage Risk
Assessment Results

Critically Overdrafted
Groundwater Basin

AFFORDABILITY

% Median Household
Income

Extreme Water Bill

% Shut-Offs

TMF CAPACITY

of Service Connections

Operator Certification
Violations

Monitoring and Reporting
Violations

Significant Deficiencies

Extensive Treatment
Installed

Proposed 2022 Risk Indicator Changes

The State Water Board proposed removing **5** risk indicators and adding **8** new indicators.

WATER QUALITY

E. Coli Presence

Increasing Presence of
Water Quality Trends
Towards MCL

Treatment Technique
Violations

Past Presence on the
HR2W List

~~Maximum Duration of
High Potential Exposure
(HPE)~~

Percentage of Sources
Exceeding an MCL

**Constituents of
Emerging Concern**

ACCESSIBILITY

Number of Sources

Absence of Interties

~~Water Source Types~~

DWR – Drought & Water
Shortage Risk
Assessment Results

Critically Overdrafted
Groundwater Basin

**Bottled or Hauled
Water Reliance**

**Source Capacity
Violations**

AFFORDABILITY

% Median Household
Income

Extreme Water Bill

~~% Shut-Offs~~

**% of Residential
Arrearages**

**Residential Arrearage
Burden**

TMF CAPACITY

~~# of Service Connections~~

Operator Certification
Violations

Monitoring and Reporting
Violations

Significant Deficiencies

~~Extensive Treatment
Installed~~

Income

Operating Ratio

Days Cash on Hand

Proposed Changes: Risk Assessment for State Small Water Systems & Domestic Wells

Emily Houlihan
Division of Water Quality
GAMA Unit



2021: Risk Assessment for State Small Water Systems & Domestic Wells

The 2021 Risk Assessment was based on the State Water Board's **Aquifer Risk Map**:

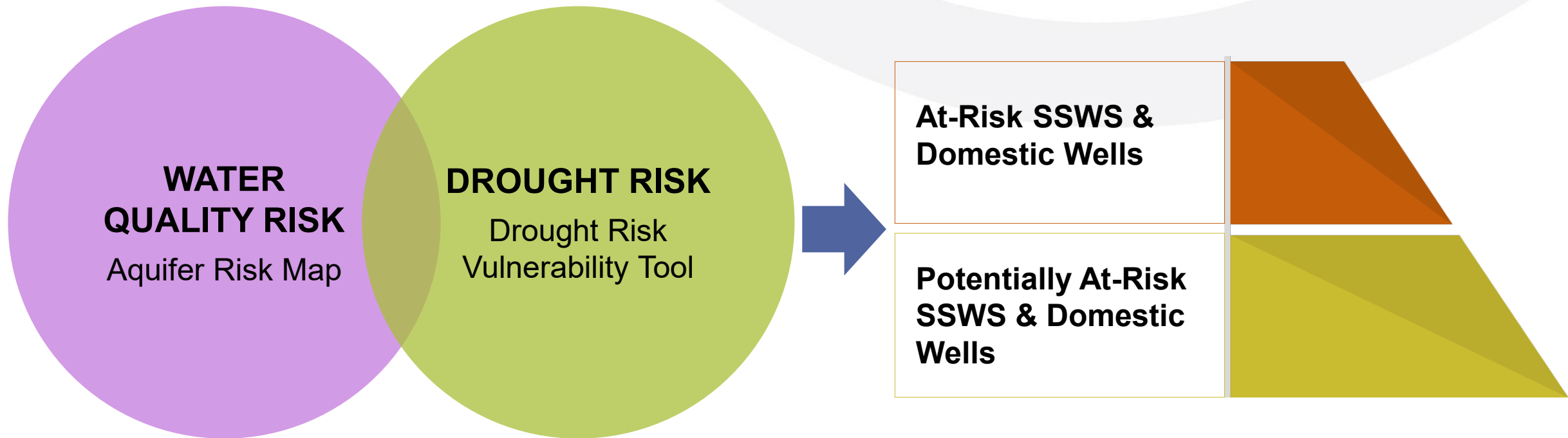
- Identifies areas where groundwater is at high risk of containing contaminants that exceed safe drinking water standards; and
- where groundwater is used or likely to be used as a drinking water source.



Proposed 2022: Risk Assessment for State Small Water Systems & Domestic Wells

The 2022 Risk Assessment was based on a **combined assessment** utilizing:

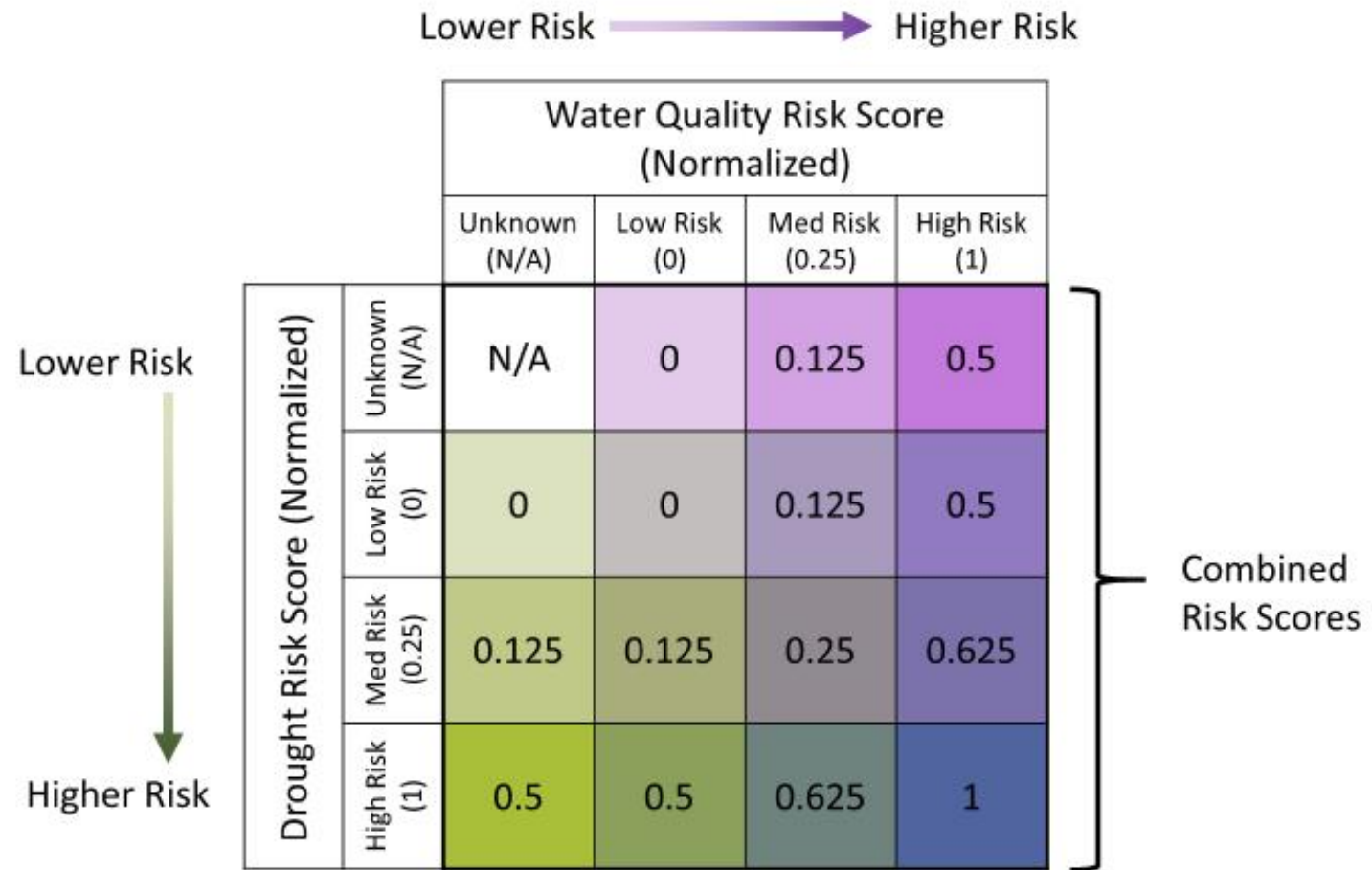
- State Water Board's **Aquifer Risk Map**; and
- Department of Water Resources: **Drought Risk Vulnerability Tool**



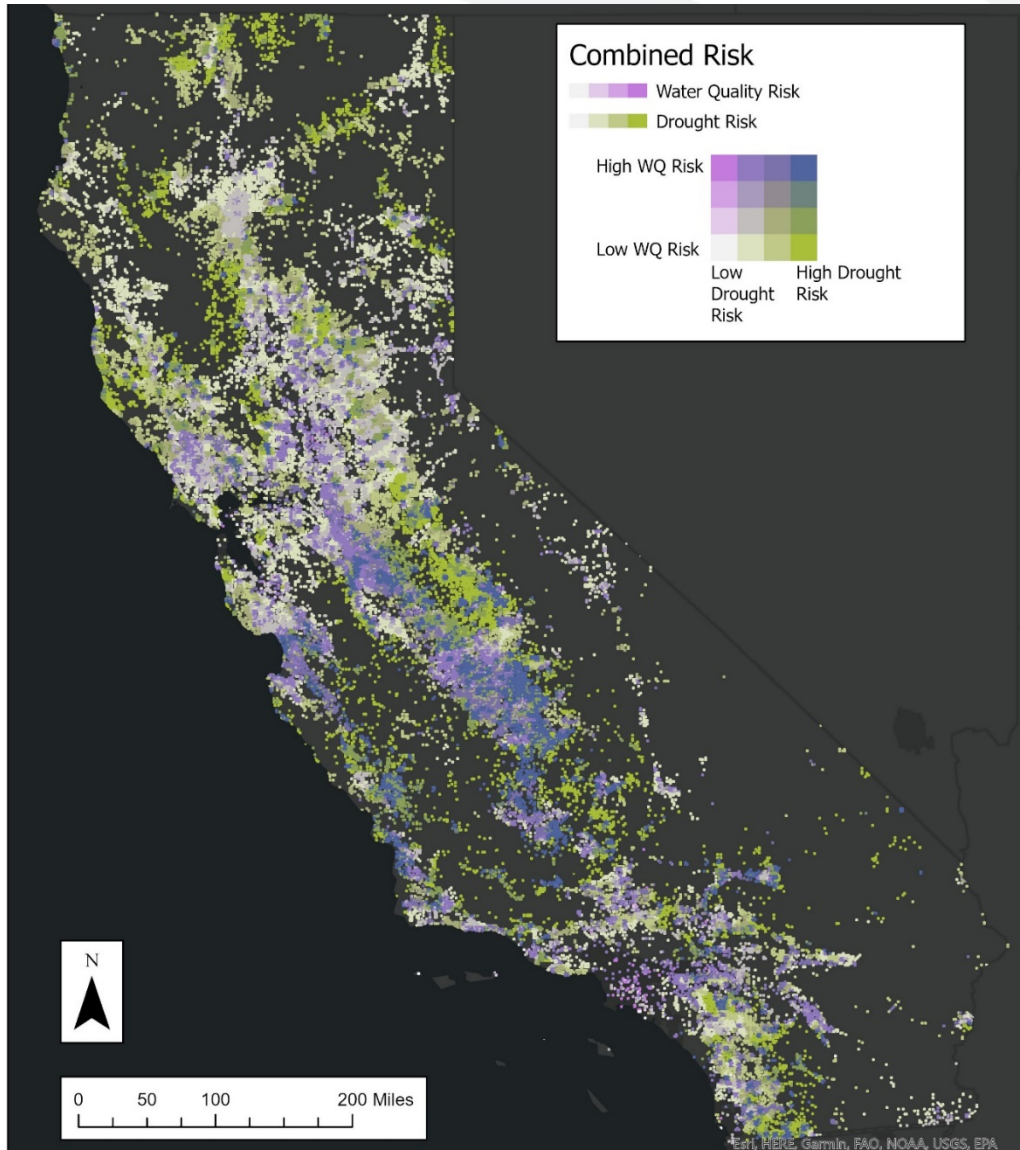
Proposed 2022 Methodology

Risk Assessment for State Small Water Systems & Domestic Wells (2/4)

Example of Combined Risk Scores for each PLSS section



Explore the Data: Combined Risk Assessment Map



Explore the Map: bit.ly/CombinedRisk

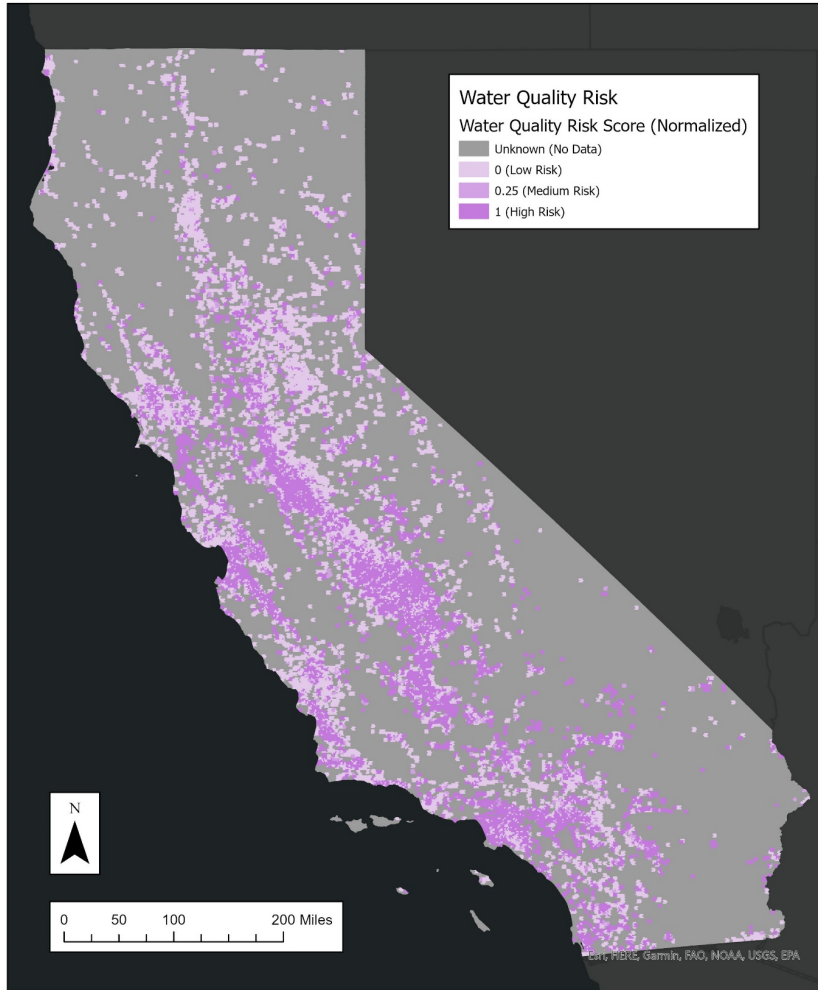
Map Features:

Mask/un-mask areas with known SSWSs & domestic wells.

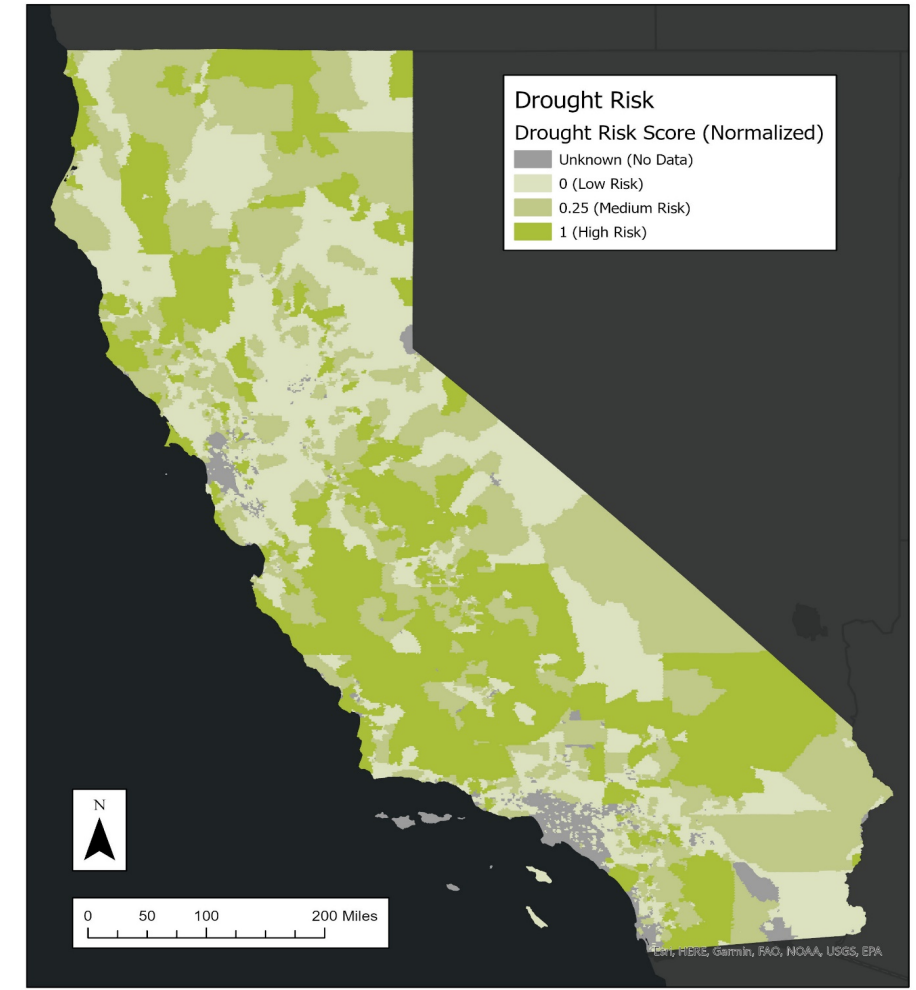
Add layer to see **CalEnviroScreen** data for each census track:

- CalEnviroScreen 4.0 score percentile
- Pollution burden percentile
- Population characteristics percentile
- Race/ethnicity population percentages
- Percent of the population living two times below the federal poverty level.

Explore the Data: Water Quality & Drought Risk Maps



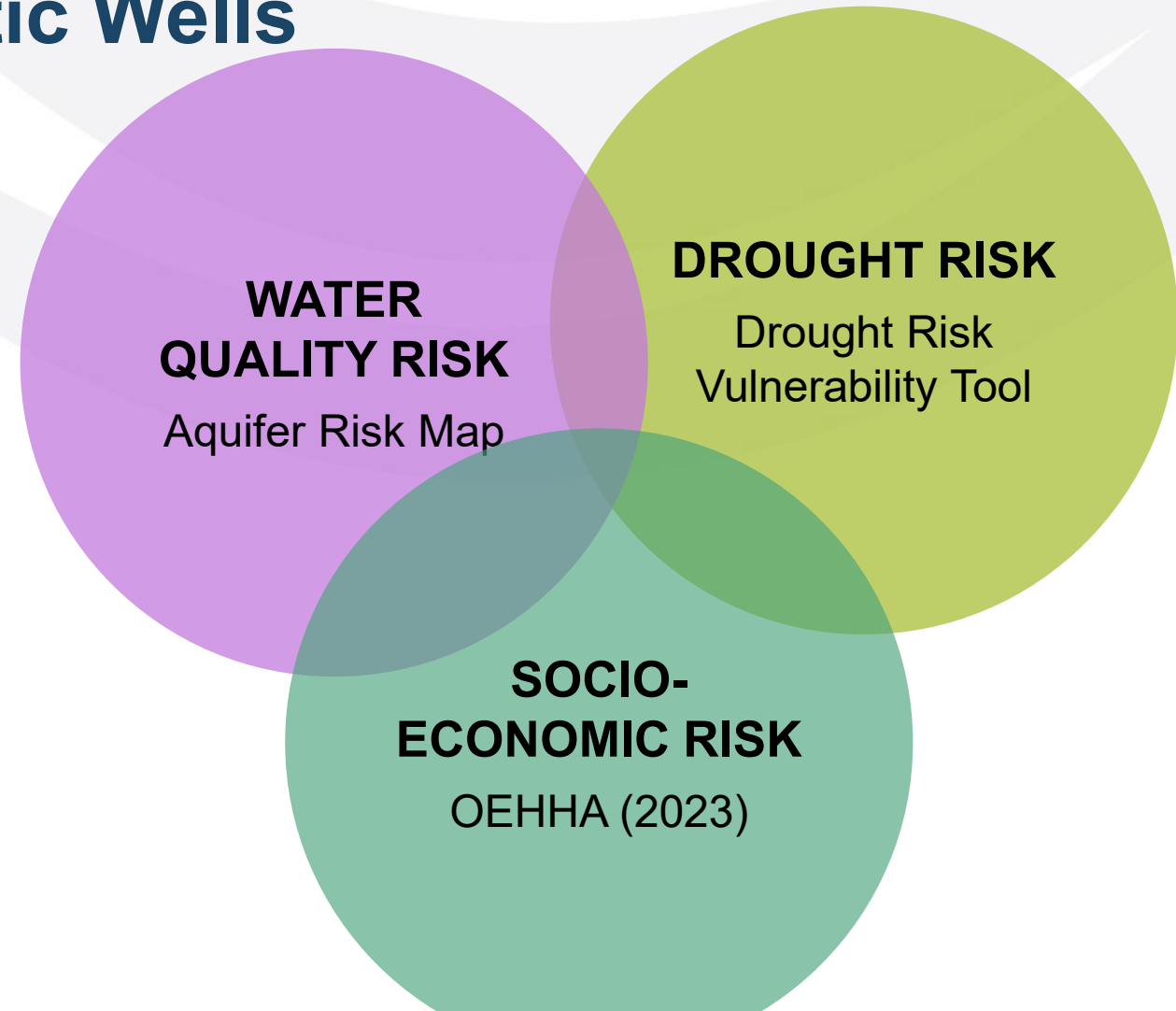
Users can explore the results of the water quality and drought risk assessments separately.



Proposed 2023 Risk Assessment for State Small Water Systems & Domestic Wells

State Water Board, OEHHA and
Department of Water Resources
collaboration for 2023.

Workshops in Spring 2022.



Proposed Changes: Cost Assessment

Mawj Khammas

Division of Drinking Water
Needs Analysis Unit



Drought Infrastructure Cost Assessment

In response to stakeholder feedback and the need to support SB 552 planning, the State Water Board conducted a targeted infrastructure **Drought Cost Assessment**.

SB 522 requires small water suppliers (15 to 2,999 connections) and K-12 schools to:

- Detect production well groundwater levels - Jan 1, 2023
- Mutual aid organization membership - Jan 1, 2023
- Continuous operation during power failures Jan 1, 2024
- Have a backup source of water supply or a water system intertie by Jan 1, 2027
- Meter each service connection and monitor water loss by Jan 1, 2032
- Meet fire flow requirements by Jan 1, 2032 (*excluded from Assessment*)

2021 vs. 2022

	2021 Cost Assessment	2022 <u>Drought</u> Infrastructure Cost Assessment
Systems Included	<ul style="list-style-type: none"> • Failing: HR2W list systems • At-Risk public water systems, state smalls & domestic wells 	<ul style="list-style-type: none"> • All community water systems <ul style="list-style-type: none"> ○ Small (15 to 2,999) ○ Large (more than 2,999)K-12 schools
Long-Term Cost Estimate Infrastructure/ Activity	<ul style="list-style-type: none"> • Treatment, physical consolidation, or POU/POE • Other Essential Infrastructure storage tanks, new wells, well replacement, upgraded electrical, additional meters, etc. • Technical assistance 	<ul style="list-style-type: none"> • Monitor static well levels • Backup electrical supply • Back-up source: new well or intertie • Meter all service connections
Interim Cost Estimate	POU, POE, Bottled Water	Excluded
20-Year Operation & Maintenance Costs	Excluded	Excluded

Preliminary Drought Cost Assessment Results

Drought Requirement	# Small CWS and Schools	Total Small CWS and Schools Cost Estimate
Monitor Static Well Levels	871 (33%)	\$1,680,000
Membership CalWARN / Mutual Aid	2,674 (100%)	\$0
Backup electrical supply	1,872 (70%)	\$224,820,000
Back-up source: new well or intertie	895 (33%)	\$1,407,480,000
Meter all service connections	1,275 (48%)	\$173,990,000
TOTAL:	2,674	\$1,807,970,000

Explore the data used to identify CWSs not meeting SB 552 requirements: bit.ly/2022PrelimCost.

Proposed Changes: Affordability Assessment



Affordability Assessment

Changes to the Affordability Assessment indicators reflect proposed changes in the Risk Assessment for public water systems.

2021	2022
% Median Household Income	% Median Household Income
Extreme Water Bill	Extreme Water Bill
% Shut-Offs	% Shut-Offs
	% of Residential Arrearages
	Residential Arrearage Burden

Affordability Assessment

High: 3 or more of the 4 indicator thresholds

Medium: 2 of 4 indicator thresholds met

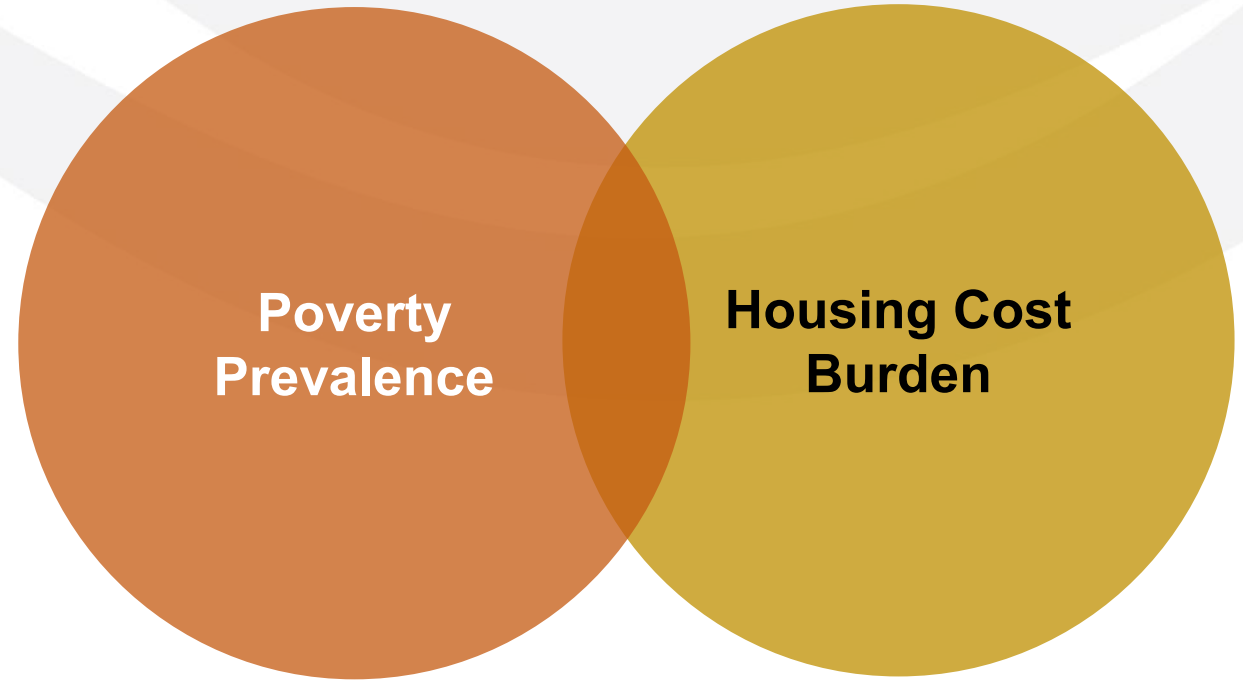
Low: 1 of 4 indicator thresholds met

Community Status	Total Systems	High Affordability Burden	Medium Affordability Burden	Low Affordability Burden
DAC	580	16 (3%)	47 (8%)	67 (12%)
SDAC	1,316	38 (3%)	83 (6%)	203 (15%)
Non-DAC	874	15 (2%)	132 (15%)	150 (17%)
Missing DAC Status	98	0 (0%)	0 (0%)	0 (0%)
TOTAL:	2,868	69 (2%)	262 (9%)	420 (15%)

Proposed 2023 Affordability Assessment

State Water Board and
OEHHA working on new
affordability indicators and a
combined affordability
threshold.

Workshops in Spring 2022.



Release 2022 Drinking Water Needs Assessment

The State Water Board will review submitted feedback on the proposed changes to the Needs Assessment methodologies and incorporate where appropriate.

The 2022 Drinking Water Needs Assessment will be released in **April 2022**.

Stay up-to date on SAFER activities by subscribing to the SAFER email list.

- HERE: waterboards.ca.gov/safer

BREAK / DESCANSO

Be back at **10:15**

Regresaremos a la **10:15**

Public Comments

1. Email Comment to SAFER@waterboards.ca.gov.
2. Follow instructions in the return email to join Zoom.
3. Wait to be called on.
4. Technical or language assistance, email SAFER@waterboards.ca.gov.

¿Comentarios públicos?

1. Envíe su comentario por correo electrónico a SAFER@waterboards.ca.gov.
2. Siga las instrucciones del correo electrónico que reciba para unirse a Zoom.
3. Espere a que lo llamen.
4. Si necesita ayuda técnica o lingüística, escriba a SAFER@waterboards.ca.gov.

Discussion Session #2: Outreach and Engagement Strategy

Adriana Renteria
Director, Office of Public Participation



Our goals

Increase community engagement in local projects

Reduce barriers to fund local groups for outreach and engagement

Keep local drinking water projects on track

Identify potential risks, issues, or delays

Build local capacity and create a path towards equitable and resilient water governance

We are partnering with:

Funding Partners

Enters into master funding agreement and funds Community Partners for outreach and engagement activities

Community Partners

Implements outreach and engagement, community education, and community capacity building activities

Technical Assistance Providers

Provides administrative, technical, operational, legal, managerial, and/or community engagement support to failing water systems

Which communities will be prioritized for engagement?

1. **State Water Board mandates a consolidation**
2. **State Water Board appoints an administrator**
3. **Two regionalization processes in areas that meet many of the following criteria:**
 - High number of domestic wells dependent on contaminated aquifers
 - Multiple small water systems
 - One or more systems are currently failing or at risk of failing to provide safe water
 - Serves disadvantaged communities
 - Serves predominantly Black, Indigenous, or communities of color
4. **: Select water systems that meet many of the following criteria**
 - Exceeds maximum contaminant levels for primary contaminants
 - Has been out of compliance for over three years
 - High vulnerability score from CalEnviroScreen
 - Less than 1,000 service connections
 - Serves disadvantaged communities
 - Serves predominantly Black, Indigenous, or communities of color

Timeline

Date	Event
March 9, 2022	Workshop for prospective Funding Partners
March 23, 2022	Workshop for prospective Technical Assistance Providers
March 31, 2022	Funding Partner solicitation closes
Mid-2022	Select Funding Partners
Late-2022	Finalize Funding Partner funding agreements
Early 2023	Identify, train, and assign Community Partners to priority communities
2023 and onward	Outreach and Engagement Partners plan and implement activities
Now and onward	Technical Assistance Providers apply to be added to the pool

Comments /Comentarios

How to Provide Public Comment

For Technical, Language Assistance or make a comment:

SAFER@waterboards.ca.gov.

2. Follow instructions in the return email to join Zoom.
3. Wait to be called on.

¿Cómo hacer comentarios públicos?

1. Envíe su comentario por correo electrónico a SAFER@waterboards.ca.gov.
2. Siga las instrucciones del correo electrónico que reciba para unirse a Zoom.
3. Espere a que lo llamen.
4. Si necesita ayuda técnica o lingüística, escriba a SAFER@waterboards.ca.gov.

SAFER Program Updates

SAFER Program Progress

Goals	Current (July 1, 2021-Jan 31,2022)	
	# of Communities	# of People
Interim safe drinking water E.g., bottled water, point of use, repairs	936 (29 communities, 907 households)	25,562
Project planning assistance E.g., new planning agreements	83	419,561
Long-term solutions E.g., completed construction or consolidation	37	55,712
Return to compliance E.g., water system is serving safe water	25*	92,054

Stay Involved Tentative Schedule of Events!

Date	Topic
Mar 1	Solicitation opens for Funding Partners request for qualifications
Mar 2 & 4	Webinars for county-wide and regional funding program solicitation
Mar 9	Workshop for prospective Funding Partners
Mar 23	Workshop for prospective Technical Assistance Providers
Mar 31	Solicitation closes for Funding Partners request for qualifications
May TBD	Advisory Group meeting #2

Participe activamente ¡Cronograma tentativo de actividades!

Fecha	Asunto
1 de marzo	Apertura de convocatoria de solicitud de calificaciones de los socios financiadores
2 y 4 de marzo	Seminarios web para la solicitud de programas de financiación a nivel de condado y regional
9 de marzo	Taller para posibles socios financieros
23 de marzo	Taller para posibles proveedores de asistencia técnica
31 de marzo	Cierre de convocatoria de solicitud de calificaciones de los socios financiadores
Mayo, a confirmar	Reunión #2 del grupo asesor

Closing Remarks and Next Steps

Adjourn / Cierre de la Reunión
Thank you! / ¡Gracias a todos!

safer@waterboards.ca.gov
916-445-5615