



SAFER: 2023 Drinking Water Needs Assessment Preliminary Results

February 3, 2022
9:00 am

Remote participation only



Meeting Logistics

Kristyn Abhold
Needs Analysis Unit
Division of Drinking Water
State Water Resources Control Board



Water Boards' Mission Statement

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.

Ways to Participate-

- 1. Watch ONLY:** Visit video.calepa.ca.gov
- 2. Email:** Submit a comment or ask a question that will be read aloud, send an email to: safer@waterboards.ca.gov
- 3. Q&A:** Submit a question using the Q&A feature at the bottom of your Zoom Screen. You can UPVOTE any question you would like answered.
- 4. Raise Hand:** Attendees will be given the opportunity to provide verbal comment or ask questions, if you're interested in this option, please raise your virtual hand when the time is right.

- Please wait for your name to be called.
- Public comments are 3 minutes each.

Agenda

- 1 SAFER PROGRAM & NEEDS ASSESSMENT
- 2 RISK ASSESSMENT FOR PUBLIC WATER SYSTEMS
- 3 RISK ASSESSMENT FOR SSWs & DOMESTIC WELLS
- 4 AFFORDABILITY ASSESSMENT
- 5 NEXT STEPS



SAFER Program & Needs Assessment Overview

Audience Poll Question 1

Are you familiar with the **Drinking Water Needs Assessment**?

- Yes
- No

2022 Drinking Water Needs Assessment: <https://bit.ly/3uJSUFH>

2021 Drinking Water Needs Assessment: <https://bit.ly/3mAz2yK>

Audience Poll Question 2

Have you read the recently released white paper: ***“Proposed Changes for the 2023 Drinking Water Needs Assessment & Preliminary Results”***?

- Yes, I read the whole thing
- Yes, I skimmed it
- No, but I plan to
- No, I don't intend to read it

Access the white paper here: <https://bit.ly/3XQfulz>

2012 - Human Right to Water (HR2W)

Water Code Section 106.3, the State statutorily recognizes that:

“every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.”



SB 200 and the SAFER Program

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**.



Safe and Affordable Drinking Water Fund



Data Collection & Analysis



Consolidation & Regional Solutions



Administrators



Technical Assistance & Capacity Building

Safe and Affordable Drinking Water Fund

Up to \$130 million per year through 2030.

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**” (Health and Safety Code §116769).



Needs Assessment Components



Risk Assessment

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



Cost Assessment

Failing & At-Risk Systems and Domestic Wells



Affordability Assessment

DAC/SDAC Community Water Systems

https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/needs.html

SAFER Program Priority Systems



FAILING WATER SYSTEMS
Community water systems and K-12 public schools that meet the Failing: Human Right to Water (HR2W) list criteria.

AT-RISK WATER SYSTEMS & DOMESTIC WELLS
Public water systems with up to 30,000 service connections or 100,000 population served, K-12 public schools, state small water systems and domestic wells that are at-risk of failing.

POTENTIALLY AT-RISK WATER SYSTEMS & DOMESTIC WELLS
Public water systems with up to 30,000 service connections or 100,000 population served, K-12 public schools, state small water systems and domestic wells that are at-risk of failing.

NOT AT-RISK WATER SYSTEMS & DOMESTIC WELLS
Public water systems, K-12 public schools, state small water systems, and domestic wells that are not at-risk of failing.



Past Workshops on Needs Assessment Methodologies

The State Water Board has hosted workshops for public feedback on the methodologies utilized in the Needs Assessment since 2019.

NEEDS ASSESSMENT COMPONENTS	2019	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q3 2021	2022
Risk Assessment: Public Water Systems	■	■	■	■ ■	■		■
Risk Assessment: State Small Water Systems & Domestic Wells	■	■	■	■ ■	■		■
Cost Assessment	■	■	■	■	■ ■		■ ■
Affordability Assessment		■	■ ■	■	■	■	■ ■ ■

Access the Full 2022 Needs Assessment Report

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

- Header:** CALIFORNIA WATER BOARDS logo, navigation menu (Board, Programs, Drinking Water, Water Quality, Water Rights, Notices, Water Boards, Search), and utility links (Share, About Us, Contact Us, Subscribe, Settings).
- Hero Section:** "SAFER DRINKING WATER" banner with the tagline "SAFE AND AFFORDABLE FUNDING FOR EQUITY AND RESILIENCE".
- Navigation:** Home > Drinking Water > Certific > Drinkingwater > Needs
- Main Title:** California Drinking Water Needs Assessment
- Needs Assessment Core Components:** Three icons representing Risk Assessment, Cost Assessment, and 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."
- Preliminary 2023 Needs Assessment Results:** A section detailing proposed enhancements to the 2023 Needs Assessment, with a public feedback deadline of February 24, 2023. It includes a list of resources such as a February 3, 2023 Public Webinar Workshop, a White Paper, and various assessment maps and data.
- Explore the Dashboard:** A section with a dashboard preview showing a map of California and various data points.
- News & Upcoming Events:** A section listing a "Public Webinar on Proposed Changes to the 2023 Needs Assessment" on Friday, February 3, 2023, from 9:00 a.m. to 12:00 p.m., with links to register and view a white paper.
- Quick Links:** A section with links to various reports and maps, including the Preliminary 2023 Public Water System Risk Assessment Results Map, Preliminary 2023 State Small & Domestic Well Risk Assessment Results Map, 2023 Aquifer Risk Map, 2022 Public Water System Risk Assessment Results Map, 2022 State Small & Domestic Well Risk Assessment Results Map, Capacity Development, SAFER Program, SAFER Funding, Human Right to Water Information, and Public Drinking Water General Information.



Access **2022** report here:
<https://bit.ly/3uJSUFH>

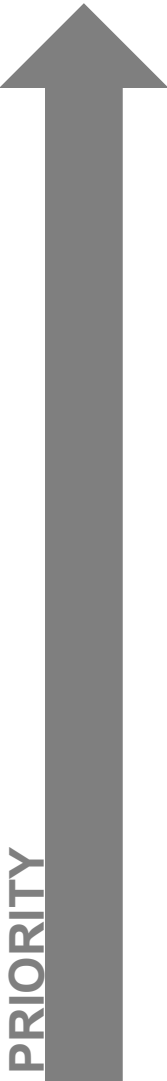
Access **2021** report here:
<https://bit.ly/3mAz2yK>

Learn more about the Needs Assessment here:
<https://bit.ly/3vfSvtA>

Failing Water Systems



SAFER Program Priority Systems: Failing Water Systems



FAILING WATER SYSTEMS Community water systems and K-12 public schools that meet the Failing: Human Right to Water (HR2W) list criteria.
AT-RISK WATER SYSTEMS & DOMESTIC WELLS Public water systems with up to 30,000 service connections or 100,000 population served, K-12 public schools, state small water systems and domestic wells that are at-risk of failing.
POTENTIALLY AT-RISK WATER SYSTEMS & DOMESTIC WELLS Public water systems with up to 30,000 service connections or 100,000 population served, K-12 public schools, state small water systems and domestic wells that are at-risk of failing.
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Failing Water Systems: Human Right to Water (HR2W) List

State Water Board has been tracking failing water systems that meet Failing: HR2W criteria since 2017.

Failing: HR2W criteria was expanded in Spring 2021 beyond water quality violations.

There are currently **386** Failing systems.

Learn more: <https://bit.ly/3WQB7r4>

Current list here: <https://bit.ly/3kKGJpg>

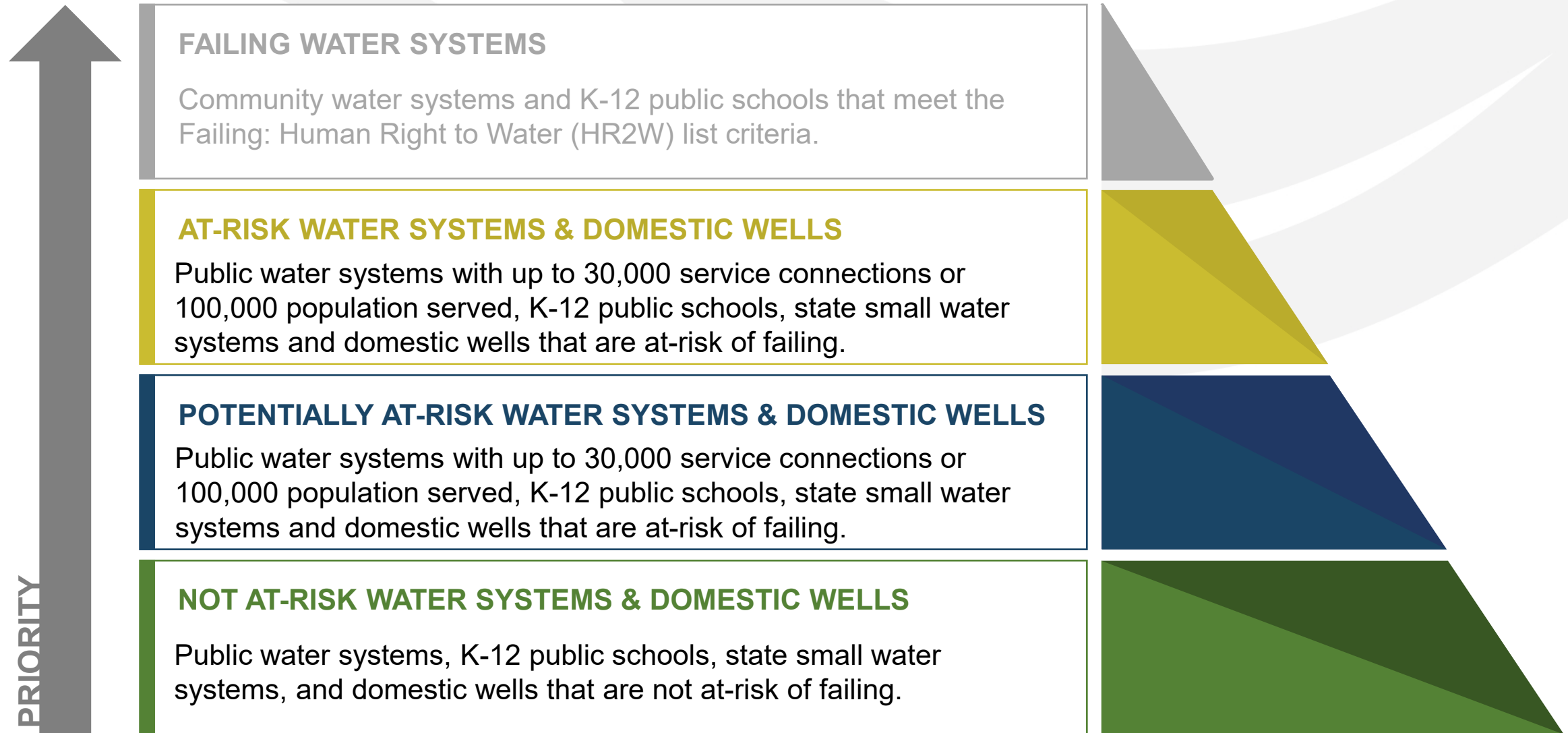
Expanded Criteria for Failing Water Systems

Criteria	Before 3.2021	After 4.2021
Primary MCL Violation with an open Enforcement Action	Yes	Yes
Secondary MCL Violation with an open Enforcement Action	Yes	Yes
E. Coli Violation with an open Enforcement Action	No	Yes
Treatment Technique Violations (in lieu of an MCL):	Partially	Expanded
<ul style="list-style-type: none"> • One or more Treatment Technique violations (in lieu of an MCL), related to a primary contaminant, with an open enforcement action; and/or • Three or more Treatment Technique violations (in lieu of an MCL), related to a primary contaminant, within the last three years. 		
Monitoring and Reporting Violations (related to an MCL and TTs):	No	Yes
<ul style="list-style-type: none"> • 3 Monitoring and Reporting violations (related to an MCL) within the last three years where at least one violation has been open for 15 months or greater. 		

Proposed Changes to the Risk Assessment: Public Water Systems



SAFER Program Priority Systems



The Inventory: Public Water Systems

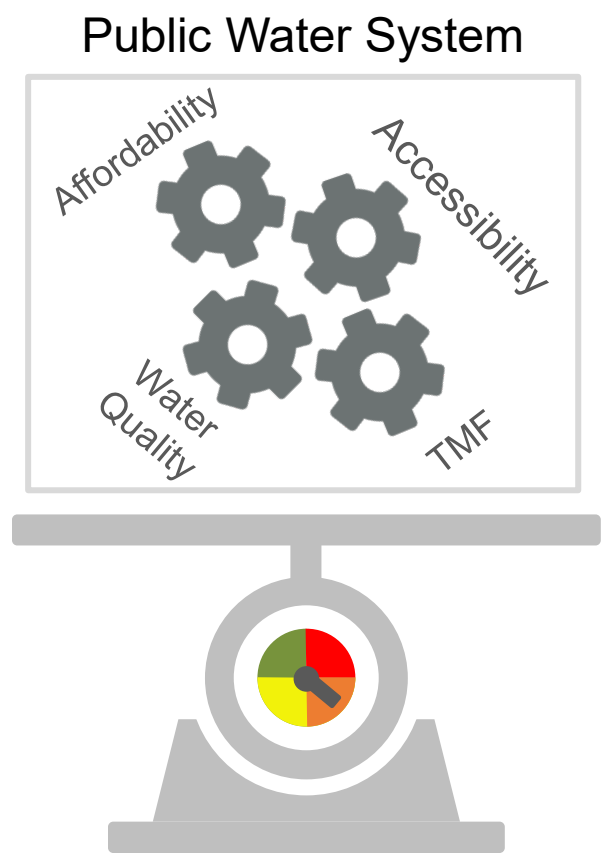
Included:

- Community water systems with up to 30,000 service connections and 100,000 populations served.
- Non-transient, non-community water systems that are K-12 schools.

Excluded:

- Wholesalers
- Community water systems with more than 30,000 connections and 100,000 population served.
- Military bases are excluded from the financial risk indicators.

Risk Assessment for Public Water Systems



RISK ASSESSMENT METHODOLOGY



RISK INDICATORS

Quantifiable measurements of key data used to assess a water system’s risk of becoming non-compliant with water quality standards.



RISK INDICATOR THRESHOLDS

Values associated with a risk indicator that designates when a water system is more at-risk of becoming non-compliant with water quality standards.



WEIGHTS / SCORES

Application of weight to each risk indicator and indicator category – some are more critical than others in contributing to overall risk.

2022 Risk Indicator Changes

The State Water Board removed **5** risk indicators and added **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

2023 Risk Indicator Changes

The State Water Board removed **2** and added **1** affordability risk indicator.

WATER QUALITY

- E. Coli Presence
- Increasing Presence of Water Quality Trends Towards MCL
- Treatment Technique Violations
- Past Presence on the HR2W List
- Percentage of Sources Exceeding an MCL
- Constituents of Emerging Concern

ACCESSIBILITY

- Number of Sources
- Absence of Interties
- 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
- NEW: Household Socioeconomic Burden**
- ~~% of Residential Arrearages~~
- ~~Residential Arrearage Burden~~

TMF CAPACITY

- Operator Certification Violations
- Monitoring and Reporting Violations
- Significant Deficiencies
- Income
- Operating Ratio
- Days Cash on Hand

Risk Indicator Thresholds, Scores, and Weights

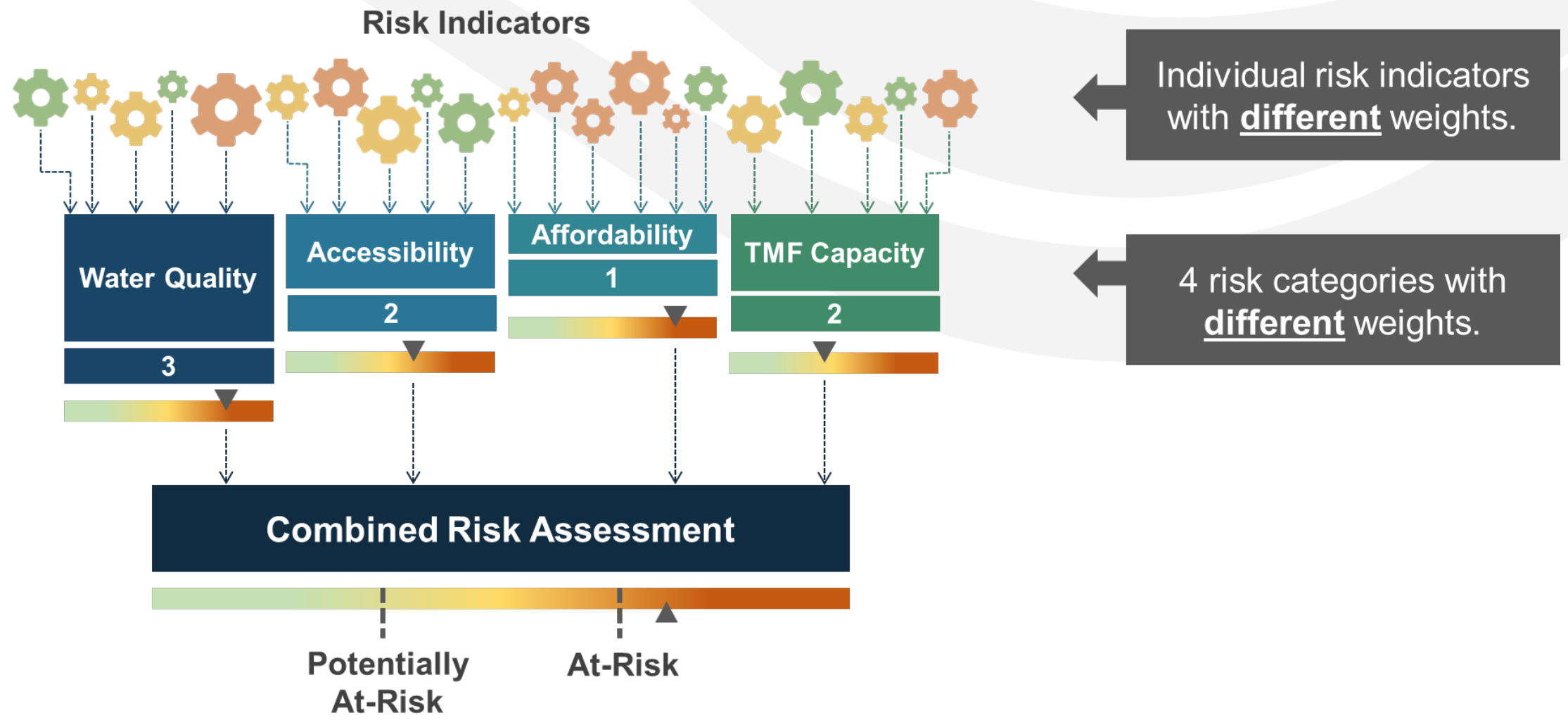
To enable the evaluation and comparison of risk indicators, a standardized **score range between 0 and 1** was applied to each risk indicator threshold.

Weights between 1 and 3 were applied to each risk indicator to indicate which risk indicators are comparatively more **critical**.

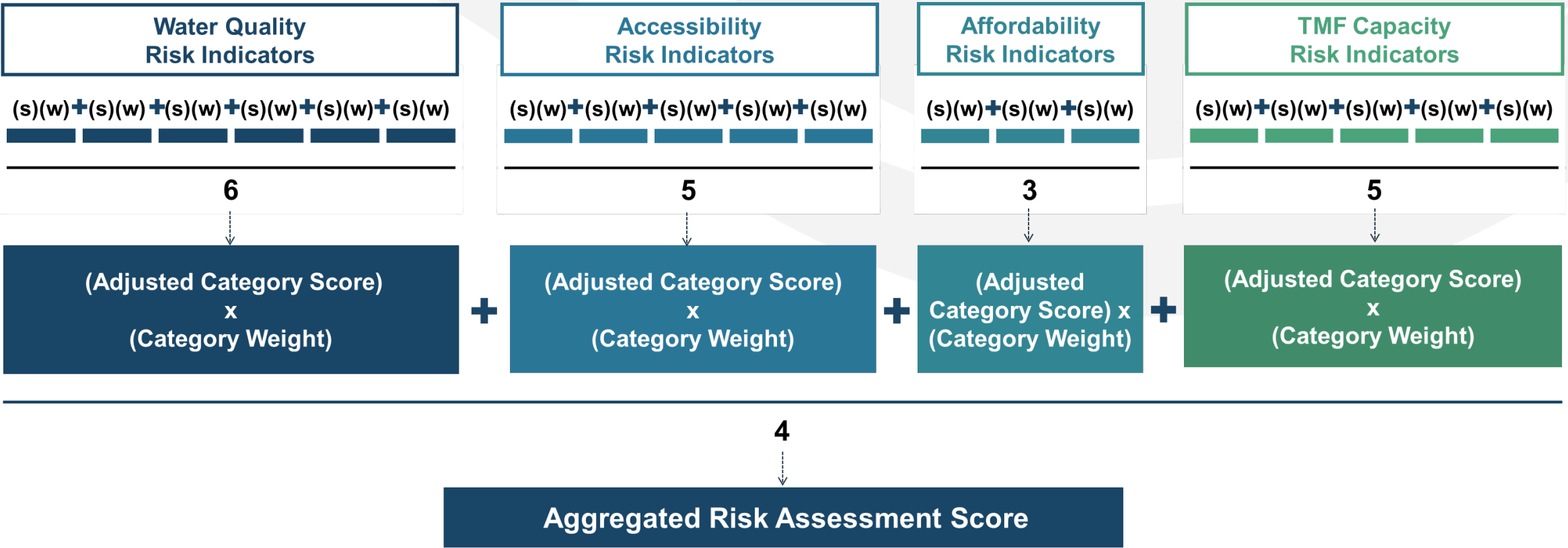
Example:

Risk Indicator	Thresholds	Raw Score	Weight	Max Risk Score	Risk Level
Past Presence on the Failing: HR2W List	Threshold 0 = 0 occurrences over the last three years	0	N/A	0	None
	Threshold 1 = 1 occurrences over the last three years.	0.5	2	1	Medium
	Threshold 2 = 2 or more occurrences over the last three years	1	2	2	High

Aggregated Risk Assessment with Indicator & Category Weights



Aggregated Risk Assessment Calculation Methodology Example



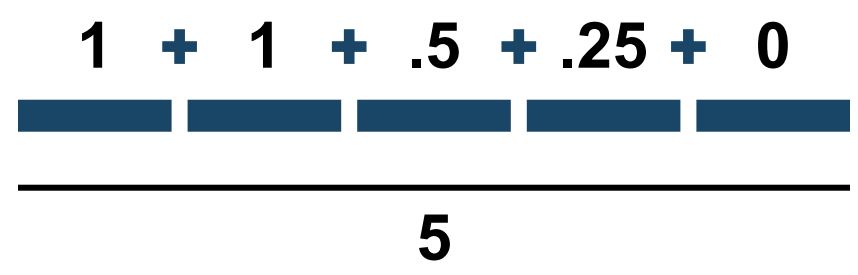
Adjusting for Missing Risk Indicator Data

A system may have failed to report necessary data or the system may not have data to report.

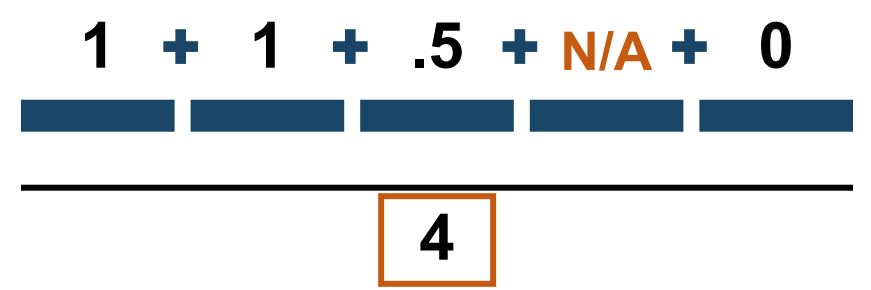
The Risk Assessment removed any value for a missing risk indicator and re-distributed the scores/weights to risk indicators within the same category which did have valid values.

The same approach was used for risk indicator categories as well.

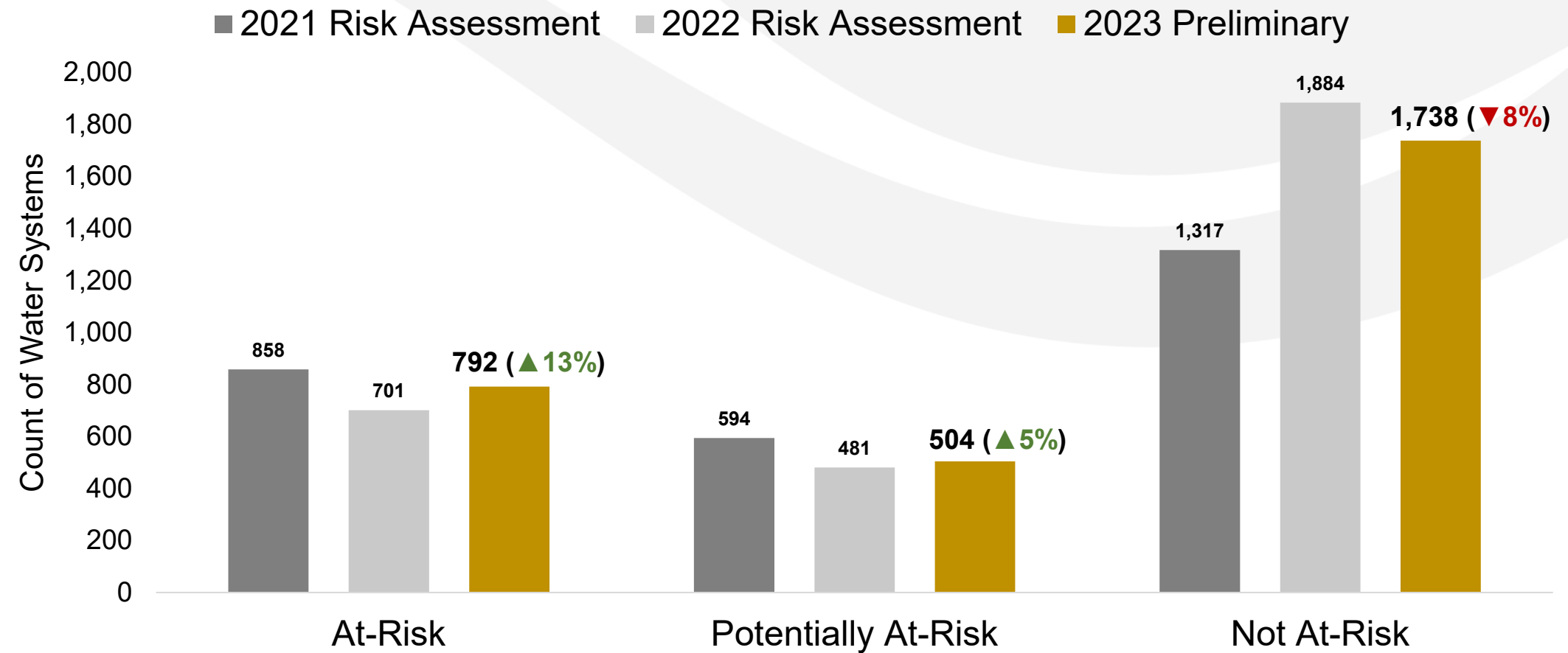
**Risk Indicator Category
With No Missing Indicator**



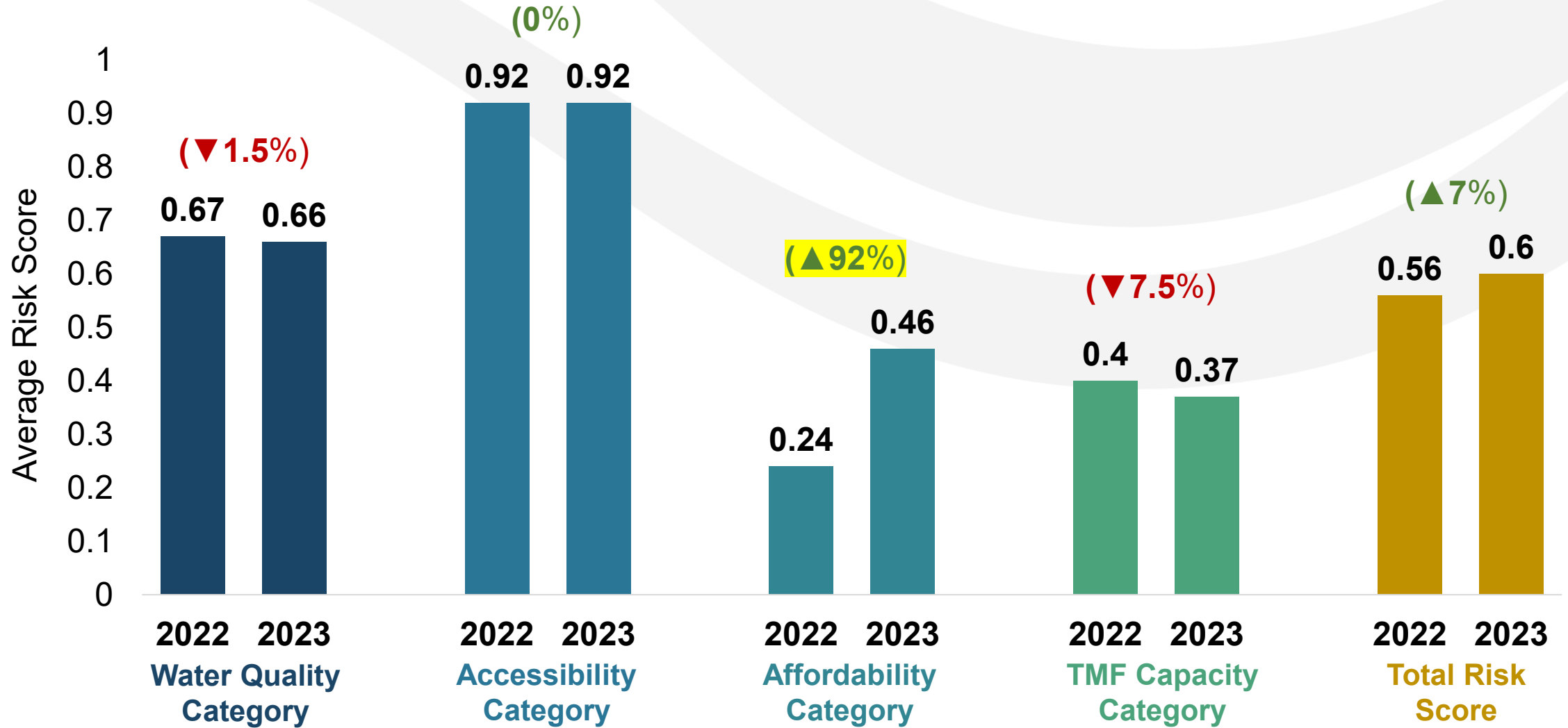
**Risk Indicator Category
With Missing Indicator**



Preliminary Risk Assessment Results (n=3,034)



Change in Average Risk Score per Category

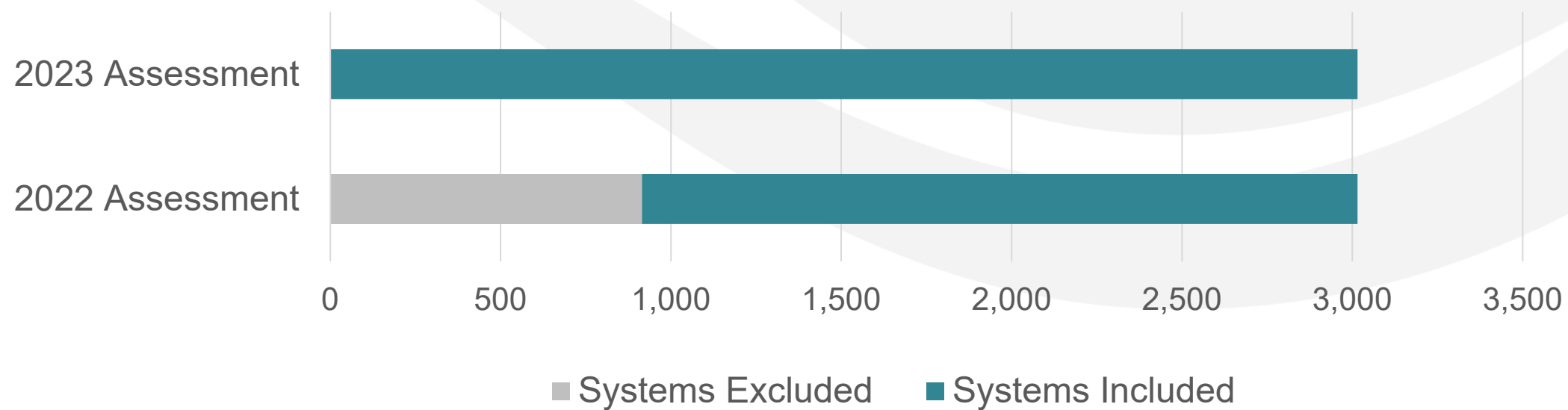


2022 & 2023 Risk Assessment Weighted Score Comparison

Weighted Score Difference	Water Quality Category	Accessibility Category	Affordability Category	TMF Capacity Category	Total Score of Risk Assessment
# Systems risk score unchanged	2,351 (78%)	2,245 (74%)	908 (30%)	1,479 (49%)	389 (13%)
# Systems risk score increased	329 (11%)	387 (13%)	1,518 (50%)	699 (23%)	1,618 (54%)
# Systems risk score decreased	335 (11%)	383 (13%)	589 (20%)	837 (28%)	1,008 (33%)

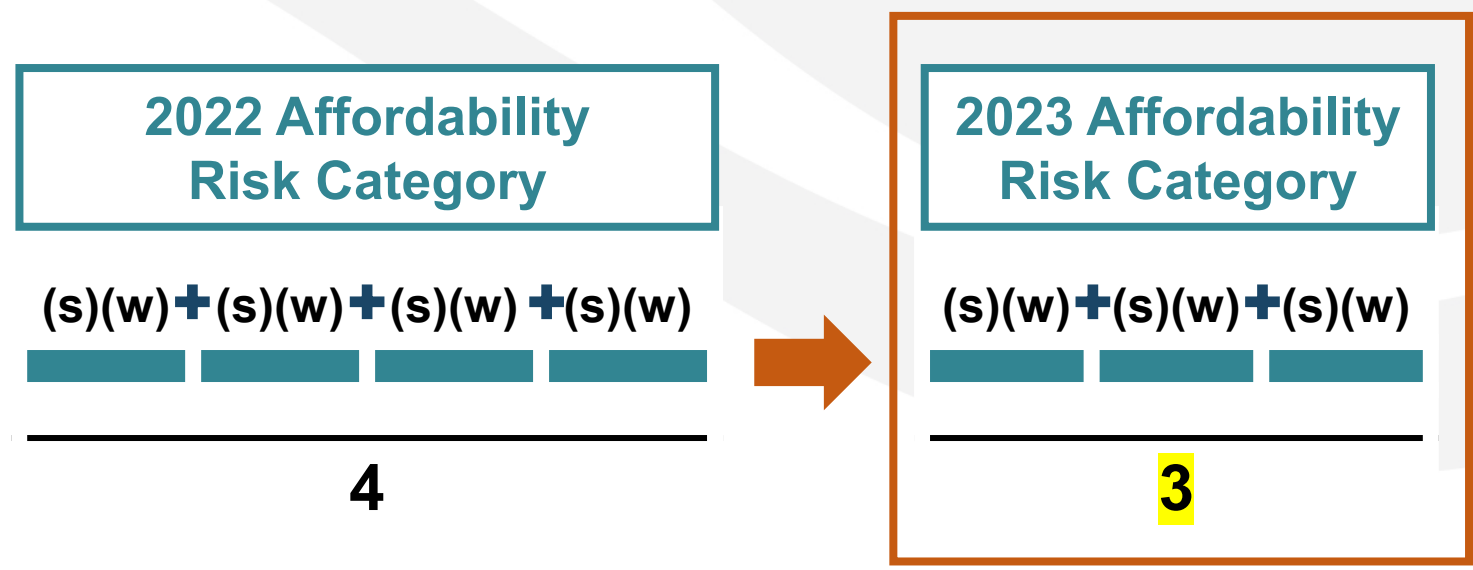
We explored the drivers for the increase in the risk scores for the Affordability category.

(1) Number of Water Systems included in the Affordability Risk Category



**More water systems accruing risk points for the first time in the category.
Previously systems that don't charge for water were excluded.**

(2) Affordability Category Calculation Method Changes from 2022 to 2023




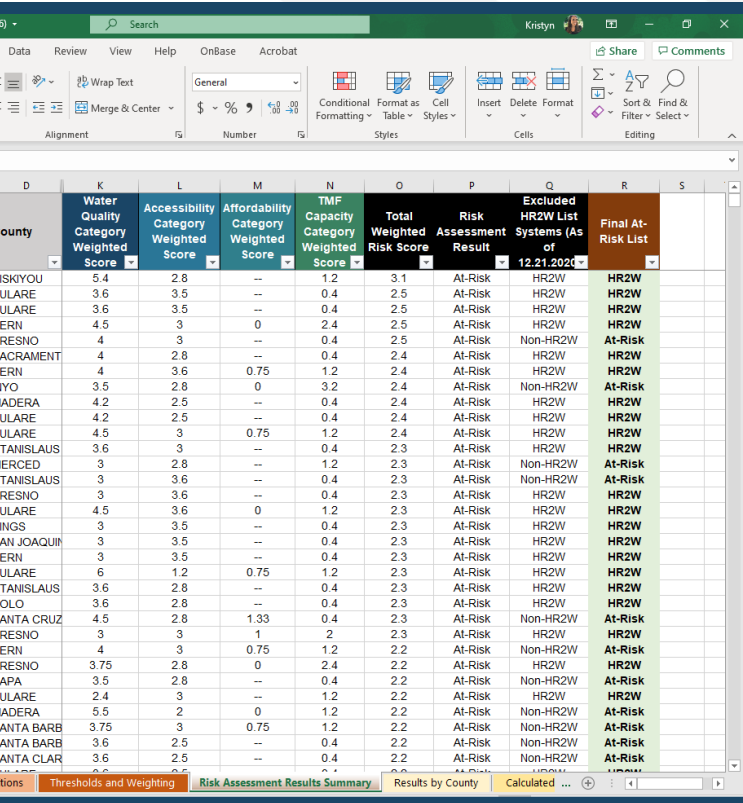
Average scoring for category is adjusted, where the denominator is decreasing from four to three. This results in a higher overall category risk score for systems accruing risk points.

Predictive Power of the Preliminary 2023 Risk Assessment

Risk Assessment Result	Total Systems	Systems on the Failing List within Calendar Year	Predictive Power of Risk Assessment
2022		2022 Failing	
<i>based on 2021 data</i>			
At-Risk	701	297	72.62%
Potentially At-Risk	481	72	17.60%
Not At-Risk	1,884	40	9.78%
TOTAL:	3,066	409	100%

Preliminary 2023		2022 Failing	
<i>based on 2022 data</i>			
At-Risk	792	316	77.26% (↑ 4.65%)
Potentially At-Risk	504	52	12.71% (↓ 4.89%)
Not At-Risk	1,738	41	10.02% (↑ 0.24%)
TOTAL:	3,034	409	100%

Access the At-Risk List and Raw Data

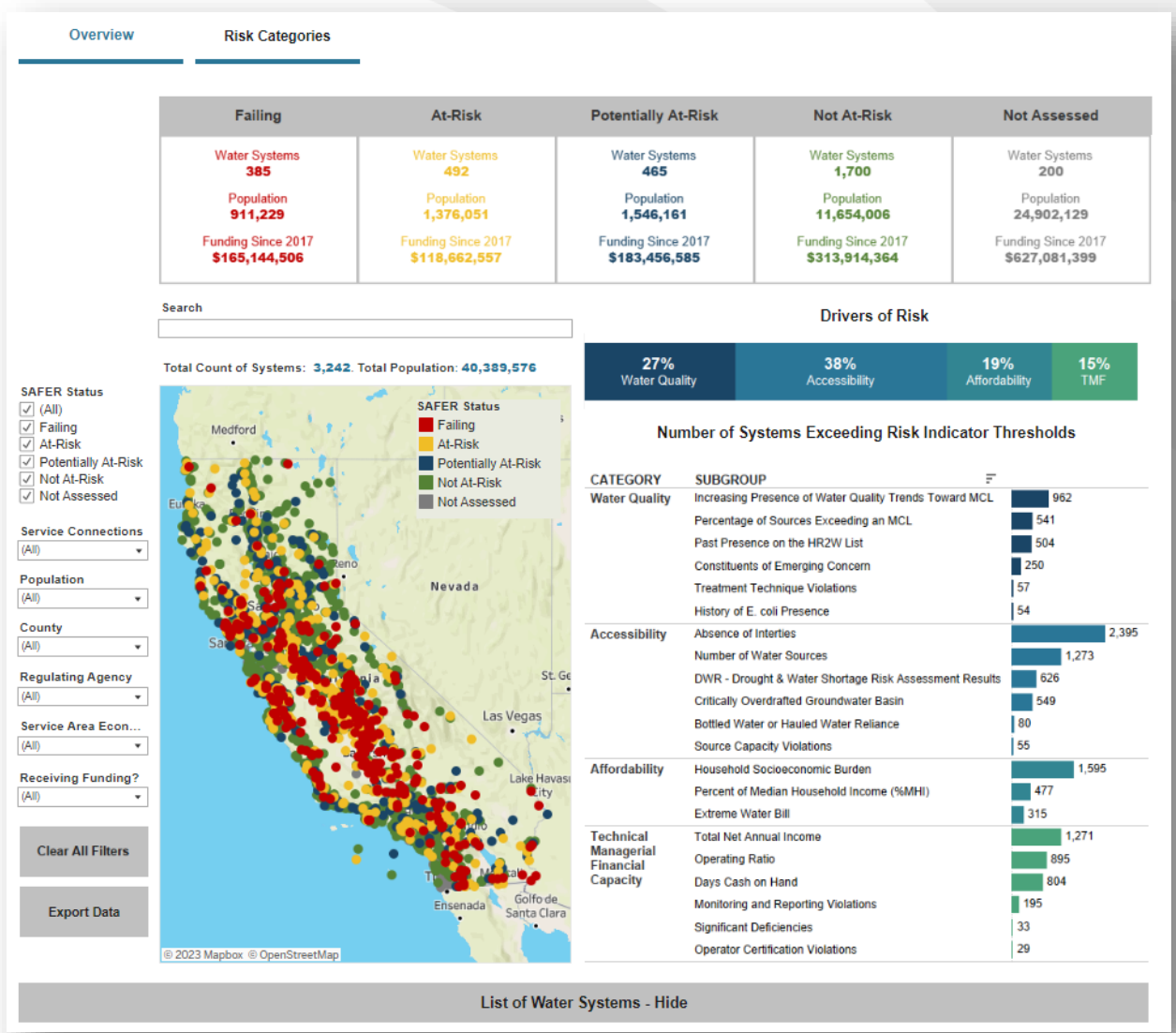
County	Water Quality Category Weighted Score	Accessibility Category Weighted Score	Affordability Category Weighted Score	TMF Capacity Category Weighted Score	Total Weighted Risk Score	Risk Assessment Result	Excluded HR2W List Systems (As of 12.21.2024)	Final At-Risk List
SKIYOU	5.4	2.8	--	1.2	3.1	At-Risk	HR2W	HR2W
TULARE	3.6	3.5	--	0.4	2.5	At-Risk	HR2W	HR2W
4 CA5400795 WAUKENA ELEMENTA DISTRICT 24 TULARE	3.6	3.5	--	0.4	2.5	At-Risk	HR2W	HR2W
5 CA1500344 SOUTH KERN MUTUAL DISTRICT 12 KERN	4.5	3	0	2.4	2.5	At-Risk	HR2W	HR2W
6 CA1000627 ZONNEVELD DAIRY - C DISTRICT 23 FRESNO	4	3	--	0.4	2.5	At-Risk	Non-HR2W	At-Risk
7 CA3400149 RANCHO MARINA LPA64 - SAC SACRAMENT	4	2.8	--	0.4	2.4	At-Risk	HR2W	HR2W
8 CA1500289 ATHAL MUTUAL WATE DISTRICT 12 KERN	4	3.6	0.75	1.2	2.4	At-Risk	HR2W	HR2W
9 CA1400155 CONTROL GORGE PO DISTRICT 13 INYO	3.5	2.8	0	3.2	2.4	At-Risk	Non-HR2W	At-Risk
10 CA2000612 NORTH FORK ELEMEN LPA50 - MADADERA	4.2	2.5	--	0.4	2.4	At-Risk	HR2W	HR2W
11 CA5400994 HOPE ELEMENTARY S DISTRICT 24 TULARE	4.2	2.5	--	0.4	2.4	At-Risk	HR2W	HR2W
12 CA5400964 SIERRA VISTA ASSN DISTRICT 24 TULARE	4.5	3	0.75	1.2	2.4	At-Risk	HR2W	HR2W
13 CA5000116 ROSELAWN HIGH SCH LPA80 - STA STANISLAUS	3.6	3	--	0.4	2.3	At-Risk	HR2W	HR2W
14 CA2400122 LONGVIEW MENNONIT DISTRICT 11 MERCED	3	2.8	--	1.2	2.3	At-Risk	Non-HR2W	At-Risk
15 CA5000109 CERES UNIFIED WEST LPA80 - STA STANISLAUS	3	3.6	--	0.4	2.3	At-Risk	Non-HR2W	At-Risk
16 CA1000316 KINGS CANYON HIGH S DISTRICT 23 FRESNO	3	3.6	--	0.4	2.3	At-Risk	HR2W	HR2W
17 CA5400682 PLAINVIEW MMIC - CEI DISTRICT 12 TULARE	4.5	3.6	0	1.2	2.3	At-Risk	HR2W	HR2W
18 CA1600008 CENTRAL UNION ELEV LPA46 - KINCINGS	3	3.5	--	0.4	2.3	At-Risk	HR2W	HR2W
19 CA3801169 MUSD-NILE GARDEN S LPA69 - SAN SAN JOAQUIN	3	3.5	--	0.4	2.3	At-Risk	HR2W	HR2W
20 CA1502154 LAKESIDE SCHOOL DISTRICT 12 KERN	3	3.5	--	0.4	2.3	At-Risk	HR2W	HR2W
21 CA5400544 ALLENSWORTH CSD DISTRICT 24 TULARE	6	1.2	0.75	1.2	2.3	At-Risk	HR2W	HR2W
22 CA5000295 SHILOH SCHOOL DIST LPA80 - STA STANISLAUS	3.6	2.8	--	0.4	2.3	At-Risk	HR2W	HR2W
23 CA5700623 DAVIS JUSD - FAIRFIEL LPA87 - YOLO YOLO	3.6	2.8	--	0.4	2.3	At-Risk	HR2W	HR2W
24 CA4400613 LAS COLINAS ROAD & LPA74 - SAN SANTA CRUZ	4.5	2.8	1.33	0.4	2.3	At-Risk	Non-HR2W	At-Risk
25 CA1000019 FCSA #30/EL PORVEN DISTRICT 23 FRESNO	3	3	1	2	2.3	At-Risk	HR2W	HR2W
26 CA1500378 MAHER MUTUAL WATE DISTRICT 12 KERN	4	3	0.75	1.2	2.2	At-Risk	Non-HR2W	At-Risk
27 CA1000299 THREE PALMS MOBILE DISTRICT 23 FRESNO	3.75	2.8	0	2.4	2.2	At-Risk	HR2W	HR2W
28 CA2800039 CALISTOGA FARM WCLPA58 - NAP NAPA	3.5	2.8	--	0.4	2.2	At-Risk	Non-HR2W	At-Risk
29 CA5400636 OROSI HIGH SCHOOL DISTRICT 24 TULARE	2.4	3	--	1.2	2.2	At-Risk	HR2W	HR2W
30 CA2000534 LEISURE ACRES MUTL LPA50 - MADADERA	5.5	2	0	1.2	2.2	At-Risk	Non-HR2W	At-Risk
31 CA4210009 CUYAMA COMMUNITY DISTRICT 06 SANTA BARB	3.75	3	0.75	1.2	2.2	At-Risk	Non-HR2W	At-Risk
32 CA4200833 BONITA SCHOOL LPA72 - SAN SANTA BARB	3.6	2.5	--	0.4	2.2	At-Risk	Non-HR2W	At-Risk
33 CA4300610 ANCHORPOINT CHRIS' DISTRICT 17 SANTA CLAR	3.6	2.5	--	0.4	2.2	At-Risk	Non-HR2W	At-Risk

Download the **Risk Assessment Results Spreadsheet** to view the list of At-Risk public water systems:

<https://bit.ly/3JELNSU>

This spreadsheet will be updated periodically with data refreshes.

Explore the Preliminary 2023 Results: SAFER Dashboard



The SAFER Dashboard displays Failing systems and the results of the Risk Assessment:

2023 Preliminary Results: <https://bit.ly/3JrudoZ>

2022 Dashboard: <https://bit.ly/3kKGJpg>

Data in the Dashboard updates more frequently than the static underlying data spreadsheet.

Water System Data Change Requests

See something that isn't right? Water systems can submit a **data change request** here:

<https://bit.ly/3wDanj8>

Requests will be reviewed by State Water Board staff.

The screenshot shows a web form titled "Needs Assessment Data Change Request Form" from the California Water Boards. The form includes a header with the logo and a brief description of its purpose. Below the header, there is a personalized greeting and a list of six required fields, each with a text input box and a placeholder "Enter your answer".

California Water Boards
NEEDS ASSESSMENT DATA CHANGE REQUEST FORM

The purpose of this form is to provide California water systems the opportunity to request underlying data changes related to the 2021 Risk Assessment and Affordability Assessment.

Hi Kristyn, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Please provide your PWSID *
2. Please provide your Water System Name *
3. First Name, Last Name *
4. Job Title *
5. Email Address *
6. Phone Number

Discussion Topic 1: Risk Assessment for Public Water Systems

Do you have any questions or comments about the Risk Assessment for public water systems results?

Ways to Participate

- 1. Watch ONLY:** Visit video.calepa.ca.gov
- 2. Email:** Submit a comment or ask a question that will be read aloud, send an email to: safer@waterboards.ca.gov
- 3. Q&A:** Submit a question using the Q&A feature at the bottom of your Zoom Screen. You can UPVOTE any question you would like answered.
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- Please wait for your name to be called.
- Public comments are 3 minutes each.

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

Emily Houlihan

GAMA Unit, Division of Water Quality
State Water Resources Control Board

Komal Bangia

Research Scientist 3

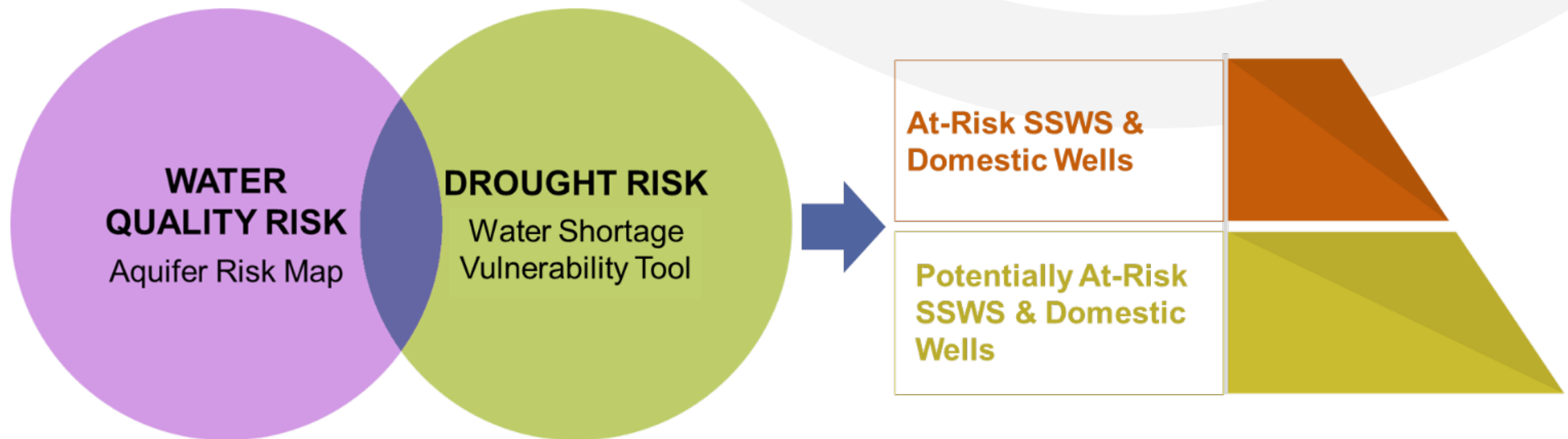
Office of Environmental Health Hazard Assessment



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

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

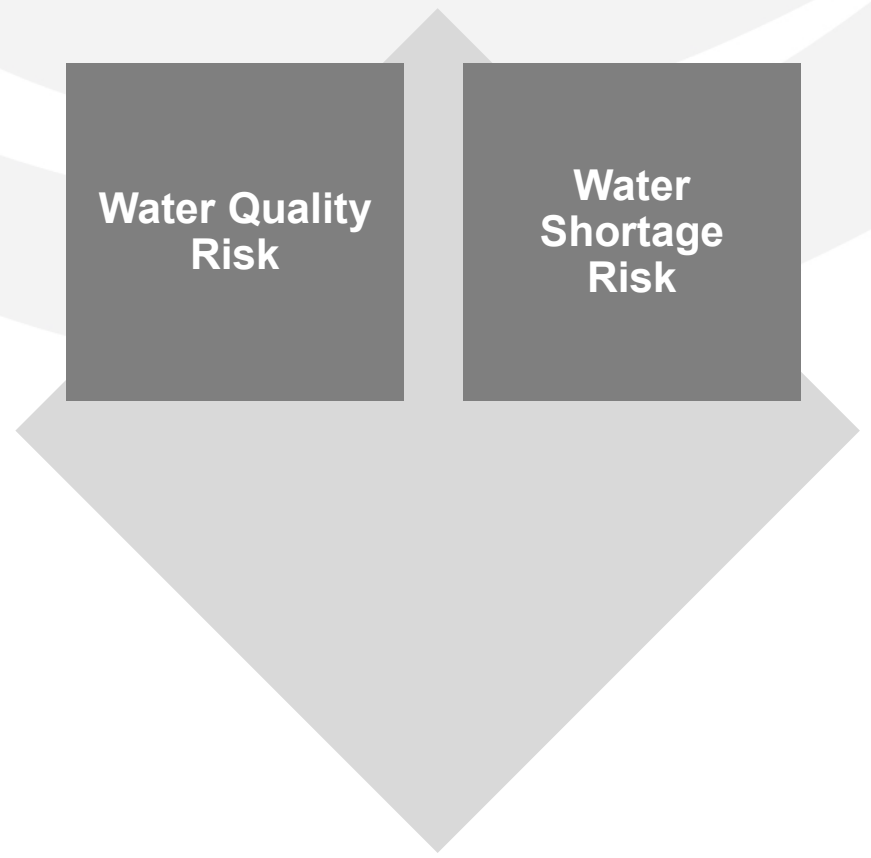
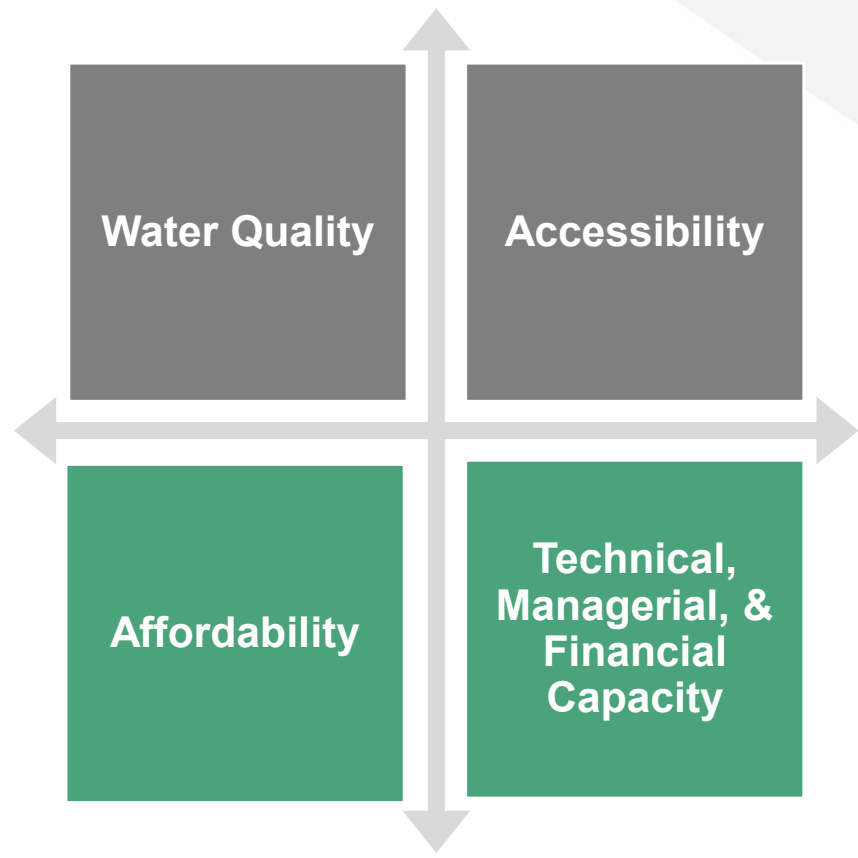
- State Water Board's **Aquifer Risk Map**; and
- Department of Water Resources: **Water Shortage Risk Vulnerability Tool**



Risk Assessment Categories: 2022

PUBLIC WATER SYSTEMS

STATE SMALL WATER SYSTEMS & DOMESTIC WELLS



Risk Assessment Categories: 2023

PUBLIC WATER SYSTEMS

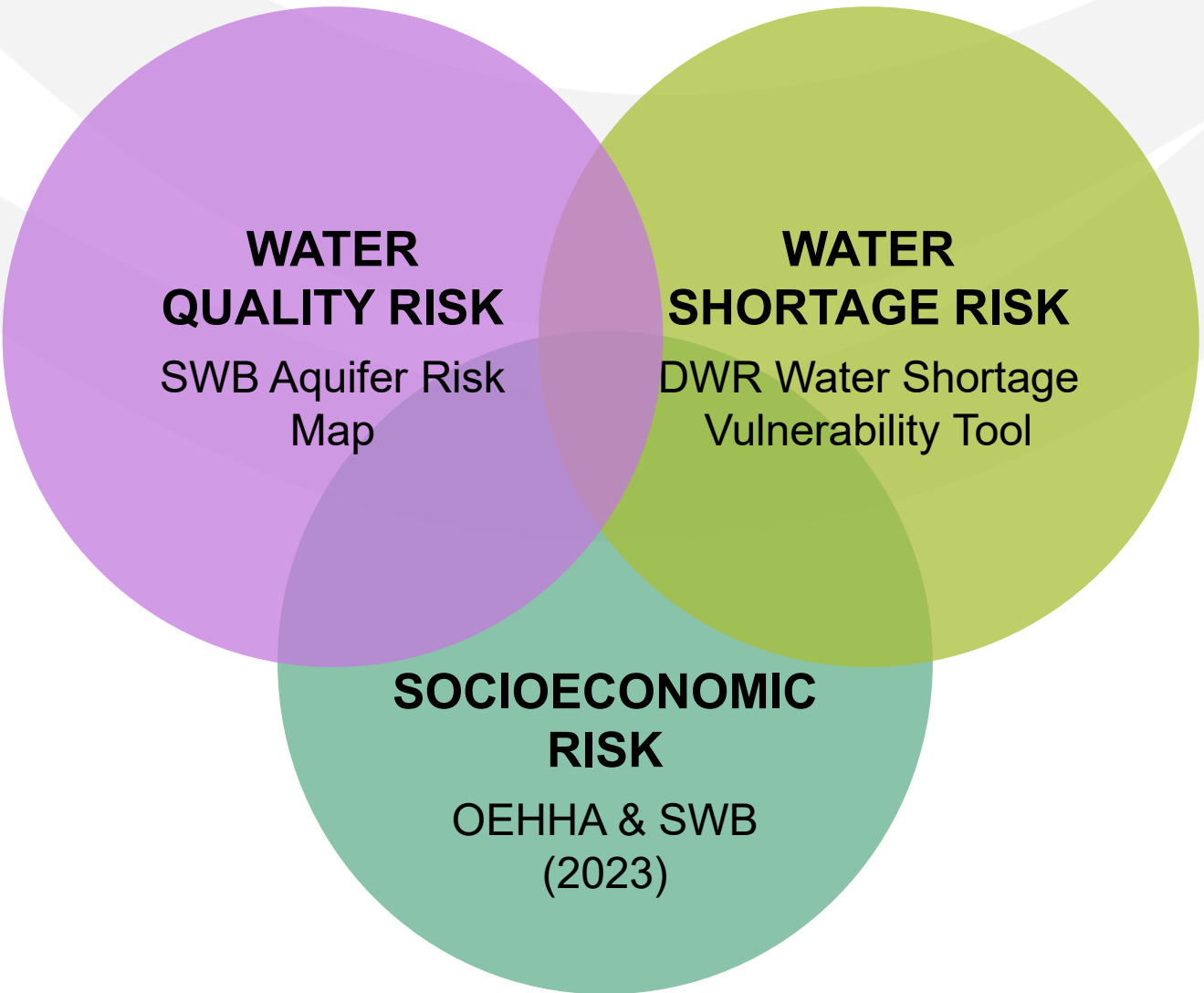
STATE SMALL WATER SYSTEMS & DOMESTIC WELLS



Goal is better alignment between Assessments

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

The State Water Board (SWB) worked with Office of Environmental Health Hazard Assessment (OEHHA) to develop the new **Socioeconomic Risk Layer**



Proposed Socioeconomic Risk Layer

County Data

County Water Quality Testing for Domestic Wells

- Testing Requirements
- Testing Type
- Testing Impacts on Permitting
- Water Quality Monitoring

County Level Services for Domestic Wells

- Administrative Services
- Website Quality
- Funding Resources Available to Domestic Well Owners

Well Costs

- Replacement Well Permit Cost
- Average Number of Wells Drilled Per Unique Driller in the Past Two Years

Economic Characteristics

- Household Socioeconomic Burden
- Linguistic Isolation
- Unemployment
- Transportation Limitations

More details available in Appendix B of white paper: <https://bit.ly/3XQfulz>

County Data: OEHHA Comprehensive Data Collection Effort

In 2022, OEHHA and the State Water Board reviewed county-specific information about DWs for 58 California counties to develop 8 risk indicators. This effort included:

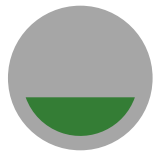
1. Evaluation of publicly available information related to DWs on each county's website, including attachments and links.
2. Review of DW ordinances, fee schedules, and drought assistance programs.
3. In cases where information was unavailable online, counties were contacted via phone.

These indicators are used in the Risk Assessment to capture risk associated with resource availability and County managerial capacity to support communities served by SSWS and DWs.

County data available here: <https://bit.ly/3RhZ3SU>

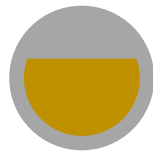
County Data: Water Quality Test Requirements

Many counties require that wells are tested for contaminants after being drilled. Are water quality tests required or recommended for new/replacement wells?



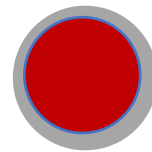
Threshold 0

Testing required



Threshold 1

Testing recommended but not required



Threshold 2

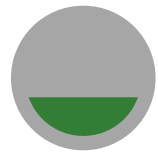
No testing required or recommended

Indicator Weight = 3

County Data: Water Quality Test Type

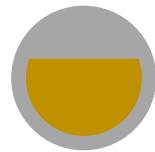
What water quality tests are required/recommended?

- Bacteria, non-bacteria tests?



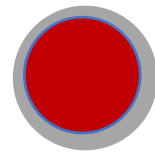
Threshold 0

Bacteria and
non-bacteria
tests



Threshold 1

Bacteria test
only



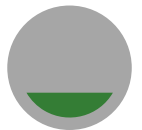
Threshold 2

N/A, no testing
required or
recommended

Indicator Weight = 1

County Data: Water Quality Test Result Impacts Well Permitting

Do failed tests require corrective actions, such as treatment systems or chlorination?



Threshold 0

Failure requires corrective actions



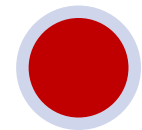
Threshold 1

Unknown, it's unclear if a failed test will require corrective actions



Threshold 2

Testing is for owner information only



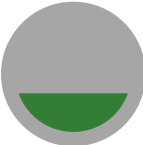
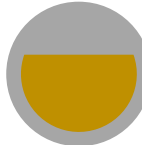
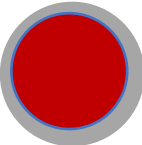
Threshold 3

No testing required or recommended

Indicator Weight = 2

County Data: Water Quality Monitoring/Sampling Program

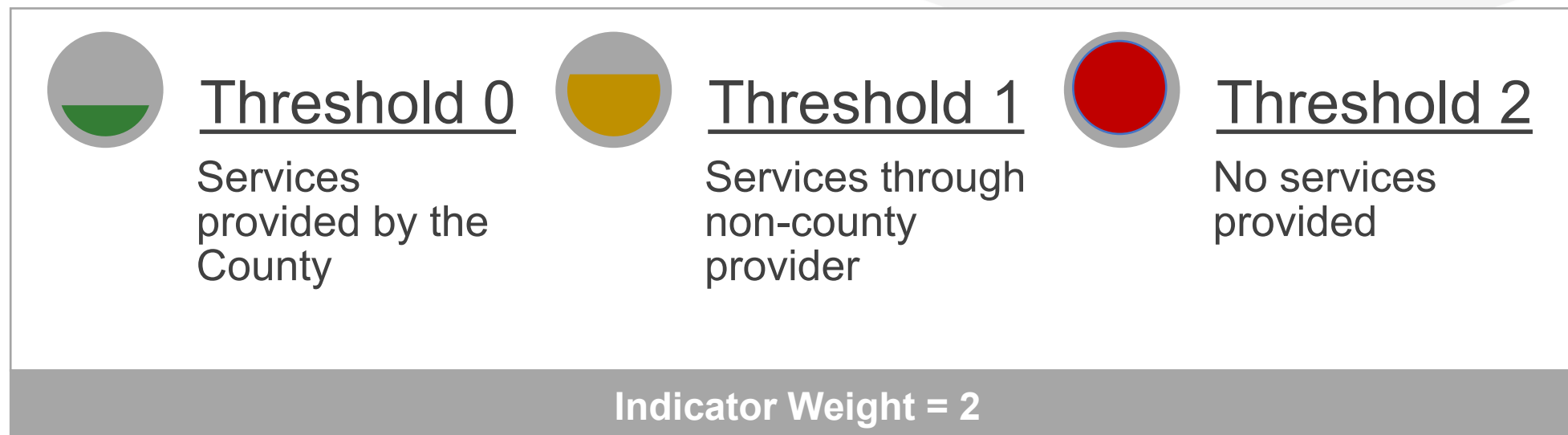
Does the county have a program that can assist owners with well quality testing?

	<u>Threshold 0</u> County run/funded program		<u>Threshold 1</u> Program operated through non-county provider		<u>Threshold 2</u> No program operated by the county or non-county provider
Indicator Weight = 2					

County Data: Administrative Services

Are administrative services provided by the County or through a non-county entity? Examples include:

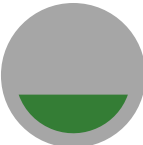
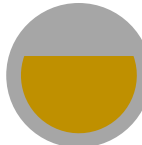
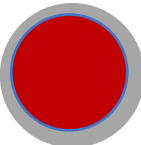
- Advertised county assistance to well-owners
- Potable water pickup/drop-off
- Quality test interpretation and recommendations



County Data: Website Quality

Level of information about quality, services, processes, and resources available on the website.

NOTE: We found large variation between counties

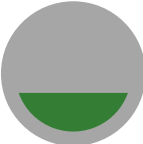
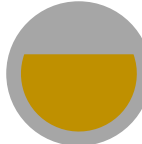
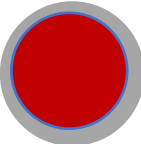
	<u>Threshold 0</u> Substantial information about quality, resources, and services		<u>Threshold 1</u> Some information about quality, resources, or service		<u>Threshold 2</u> Little or no information about quality, resources, or services
Indicator Weight = 1					

County Data: Funding Resources

County provided financial resources for domestic well owners

- Loans
- Grants
- Direct assistance

NOTE: Only four counties had their own financial assistance programs available

	<u>Threshold 0</u> Resources provided by the County		<u>Threshold 1</u> Resources linked to non-county provider		<u>Threshold 2</u> No funding resources provided
Indicator Weight = 1					

Socioeconomic Burden Indicators (1/2)

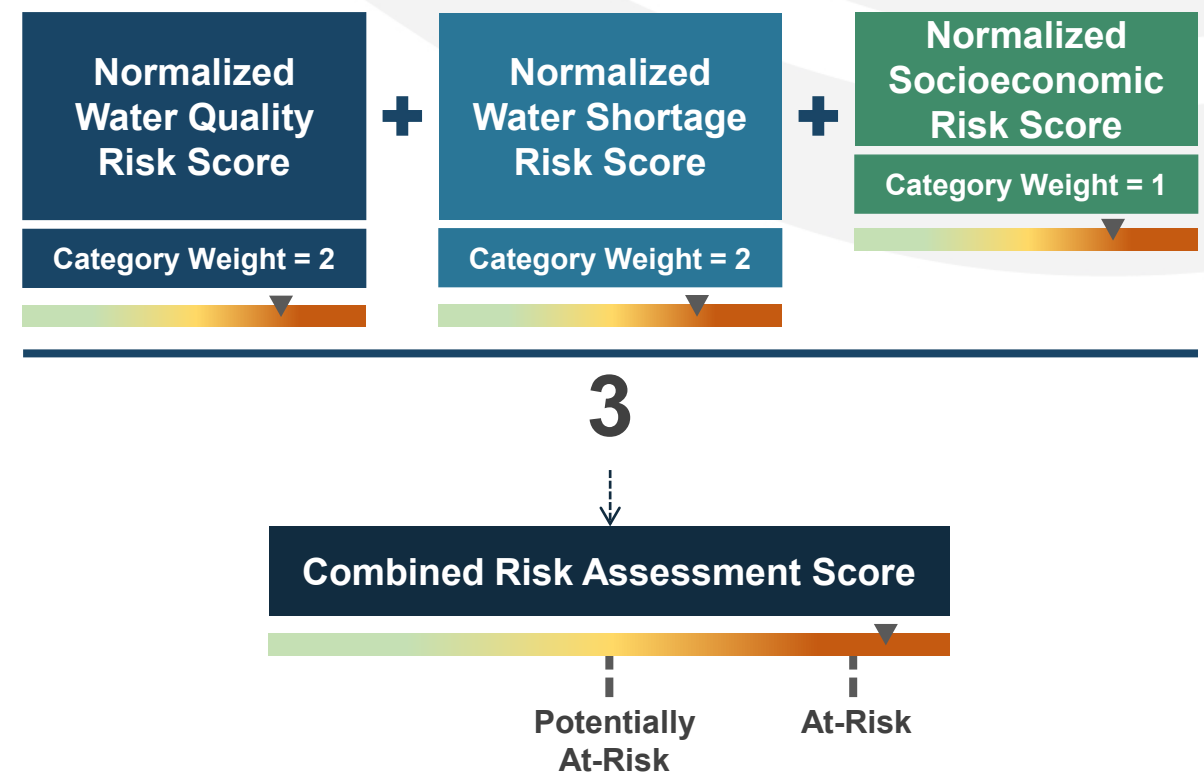
Risk Indicator	Thresholds	Score	Weight	Max Score	Risk Level
Well Costs					
Average Number of Wells Drilled Per Unique Driller in the Past Two Years	Threshold N/A = Data missing for location.	N/A	N/A	<i>Missing</i>	Unknown
	Threshold 0 = Percentile less than 60.	0	N/A	0	None
	Threshold 1 = 60 to less than the 80 percentile.	0.5	2	2	Medium
	Threshold 2 = Percentile 80 to 100 (top 20% of counties.)	1	2	2	High
Economic Characteristics					
Household Socio-economic Burden	Threshold N/A = Data missing for location.	N/A	N/A	<i>Missing</i>	Unknown
	Threshold 0 = 0-0.125	0	N/A	0	None
	Threshold 1 = 0.25-0.5	0.5	3	1.5	Medium
	Threshold 2 = 0.625-1.0	1	3	3	High

Socioeconomic Burden Indicators (2/2)

Risk Indicator	Thresholds	Score	Weight	Max Score	Risk Level
Linguistic Isolation	Threshold N/A = Data missing for location.	N/A	N/A	<i>Missing</i>	Unknown
	Threshold 0 = Percentile less than 60.	0	N/A	0	None
	Threshold 1 = Percentile 60 to 80	0.5	1	0.5	Medium
	Threshold 2 = Percentile 80 to 100	1	1	1	High
Unemployment	Threshold N/A = Data missing for location.	N/A	N/A	<i>Missing</i>	Unknown
	Threshold 0 = Percentile less than 60	0	N/A	0	None
	Threshold 1 = Percentile 60 to 80	0.5	2	1	Medium
	Threshold 2 = Percentile 80 to 100	1	2	2	High
Transportation Limitations	Threshold N/A = Data missing for location.	N/A	N/A	<i>Missing</i>	Unknown
	Threshold 0 = Percentile less than 60	0	N/A	0	None
	Threshold 1 = Percentile 60 to 80	0.5	1	0.5	Medium
	Threshold 2 = Percentile 80 to 100	1	1	1	High

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

The normalized scores for water quality, water shortage, and socioeconomic risk for each PLSS section were added together and divided by the number of variables (three).

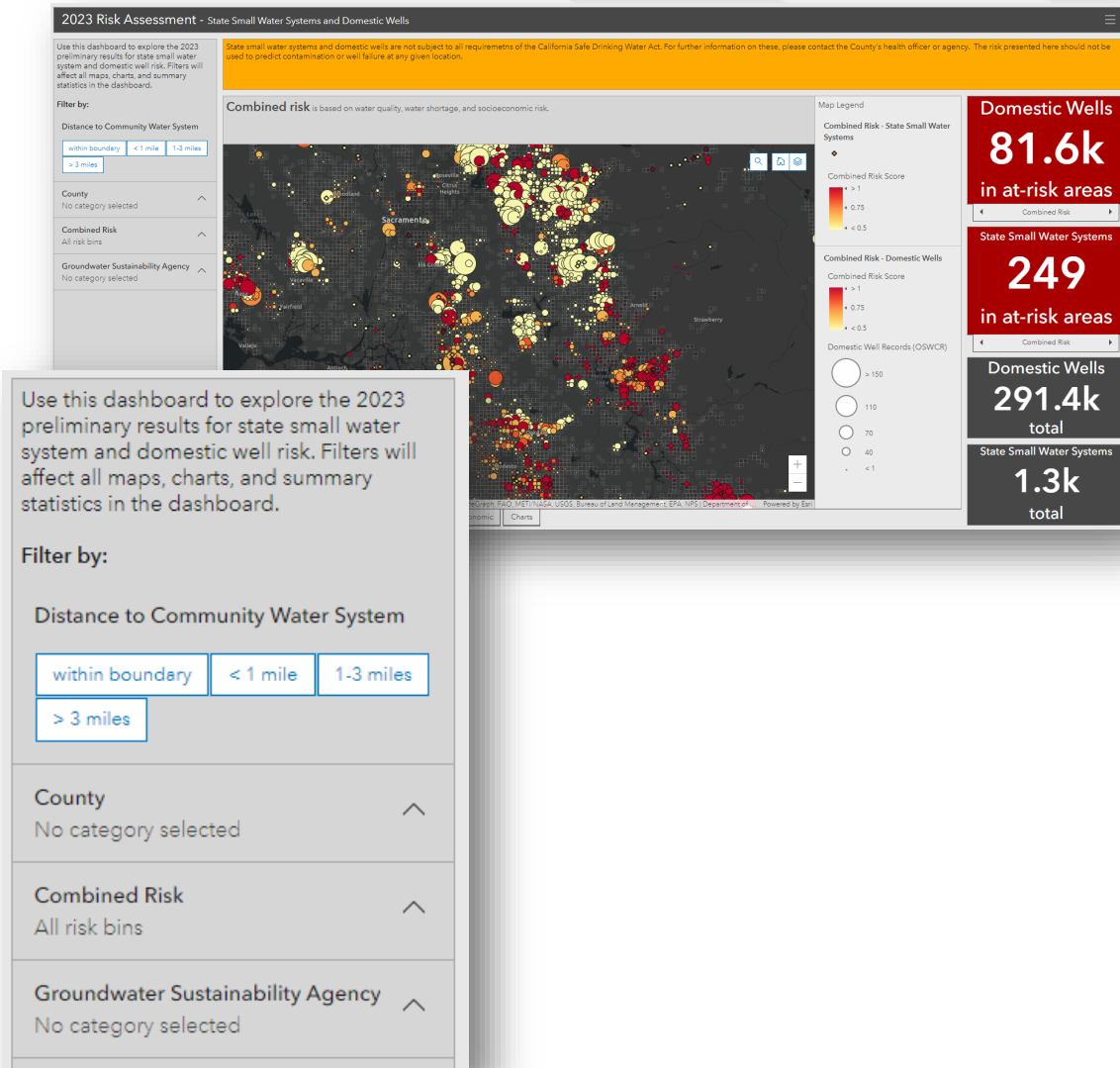


Explore the Data: Combined Risk Assessment Map

Explore the Map: <https://bit.ly/3jhA4m9>

New Map Features:

- Well density bubble to better identify well locations
- New filters:
 - Distance to nearby community water system
 - County
 - Risk level
 - GSA
- Dashboard updates summary of At-Risk systems when filters are applied.
- User tabs to explore different risk categories



Preliminary 2023 Risk Assessment Results for SSWs & Domestic Wells

Systems	Total Systems Assessed	At-Risk	Potentially At-Risk	Not At-Risk	Not Assessed
2022 State Small Water Systems	1,271	378 (30%)	438 (34%)	455 (36%)	2 (0%)
2023 State Small Water Systems	1,329	249 (19%) (↓ 11%)	636 (48%) (↑ 14%)	444 (33%) (↓ 3%)	0 (0%)
2022 Domestic Wells	312,187	64,176 (21%)	90,840 (29%)	157,146 (50%)	25 (0%)
2023 Domestic Wells	291,401	81,579 (28%) (↑ 7%)	103,886 (36%) (↑ 7%)	105,936 (36%) (↓ 14%)	0 (0%)

Discussion Topic 2: Risk Assessment for SWSs & Domestic Wells

Do you have any questions or comments about the Risk Assessment for state small water systems & domestic wells results?

Ways to Participate

- 1. Watch ONLY:** Visit video.calepa.ca.gov
- 2. Email:** Submit a comment or ask a question that will be read aloud, send an email to: safer@waterboards.ca.gov
- 3. Q&A:** Submit a question using the Q&A feature at the bottom of your Zoom Screen. You can UPVOTE any question you would like answered.
- 4. Raise Hand:** Attendees will be given the opportunity to provide verbal comment or ask questions, if you're interested in this option, please raise your virtual hand when the time is right.

- Please wait for your name to be called.
- Public comments are 3 minutes each.

5 Minute Break



Updates on Cost Assessment Enhancements



Cost Assessment



Failing & At-Risk Systems
and Domestic Wells






2021: Conducted a full **Cost Assessment** for Failing and At-Risk community water systems, SSWSs, and domestic wells working with contractors.

2022: Conducted a **Drought Infrastructure Cost Assessment** in response to stakeholder feedback and the need to support SB 552 planning.

2023-24: State Water Board is **re-building** the Cost Assessment Model to update cost assumptions, decision criteria & incorporate drought infrastructure needs.

Re-build will take 2 years, updated Cost Assessment results expected for **2024 Needs Assessment Report**.

Summary of Proposed Changes to Cost Model

-  **1** Physical consolidation is modeled first and selected by the model using funding eligibility criteria rather than comparing modeled costs to other modeled solutions.
-  **2** If consolidation is not viable, the Model will evaluate other long-term solutions, prioritizing more sustainable solutions like treatment first over POU/POE.
-  **3** The results of the Risk Assessment will be incorporated to better match long-term solutions to water systems and domestic wells.
-  **4** The Model will incorporate system-level drought infrastructure cost estimates into the total estimated costs. Technical Assistance and Administrator costs will be separated.
-  **5** The sustainability and resiliency assessment will be removed to allow for the new approach for identifying the best modeled solution per system – utilizing clear selection criteria.

Preliminary Affordability Assessment Results

Kristyn Abhold
Needs Analysis Unit
Division of Drinking Water
State Water Resources Control Board

Komal Bangia
Research Scientist 3
Office of Environmental Health Hazard Assessment



Affordability Assessment Purpose

Identify **disadvantaged community water systems**, that have instituted customer charges that **exceed** the “**Affordability Threshold.**”

Legislation does not define what the Affordability Threshold should be. The State Water Board is working with partners to develop an approach for defining what the Affordability Threshold should be.



Nexus of Affordability Definitions



(1) Household Affordability: The ability of individual households to pay for an adequate supply of water.

(2) Community Affordability: The ability of households within a community to pay for water services to financially support a resilient water system.

(3) & (4) Water System Financial Capacity: The ability of the water system to financially meet current and future operations and infrastructure needs to deliver safe drinking water. The financial capacity of water systems affects future rate impacts on households.

Why Measuring Affordability Matters



State & Federal Gov.

- Funding eligibilities: Grant vs. Loan
- Prioritization for & access to technical assistance
- Fee waivers



Water Systems

- Impacts rate-setting decisions
- Financial capacity of system
- Ability to pay for current and future needs



Customers

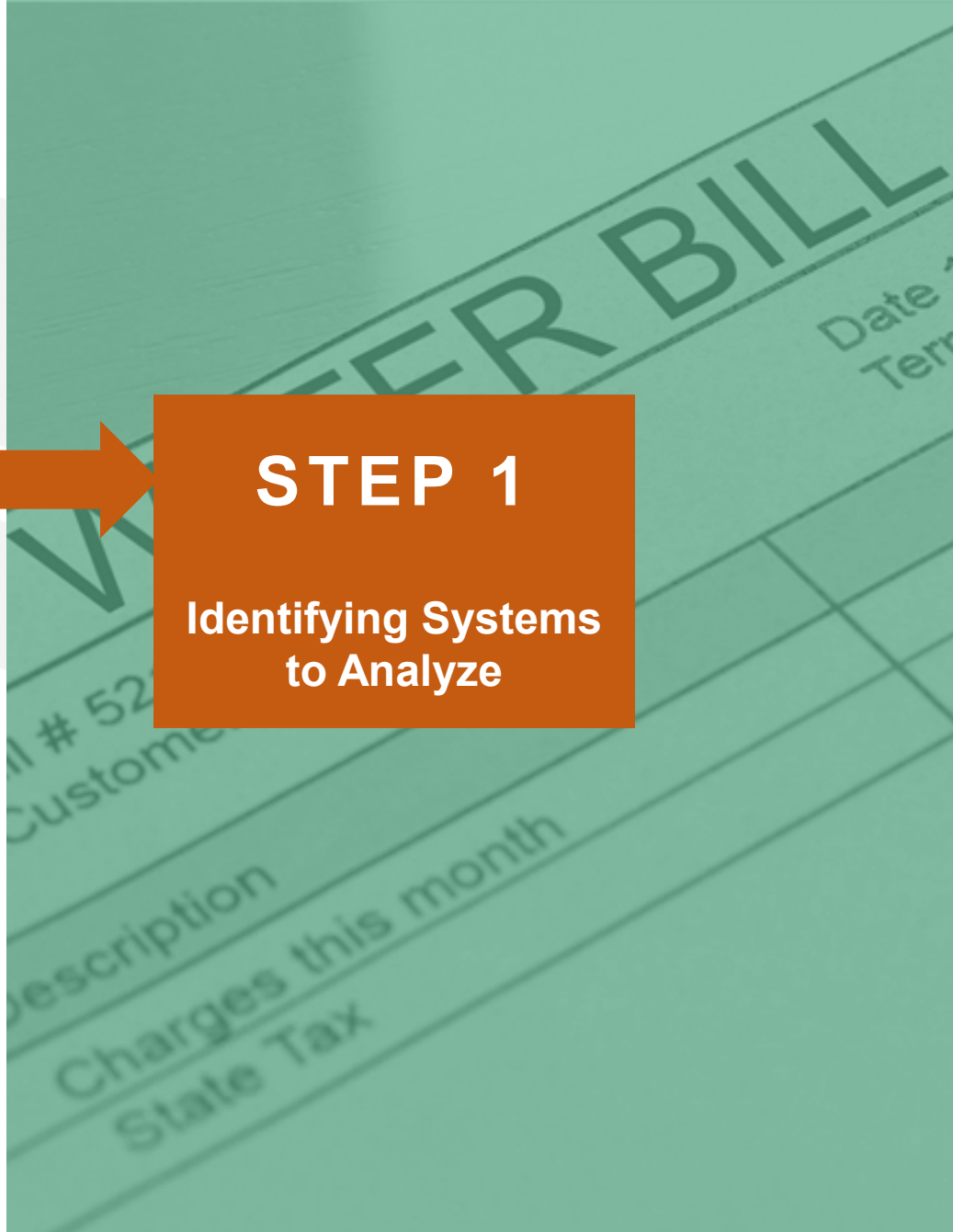
- Quality of life – percent of income spent on drinking water
- Access to safe drinking water

SB 200 Requirements: Annual Affordability Assessment: STEP 1

State Water Board must identify **disadvantaged community water systems**, that have instituted customer charges that **exceed** the **“Affordability Threshold”** established by the State Water Board in order to provide drinking water that meets State and Federal standards.

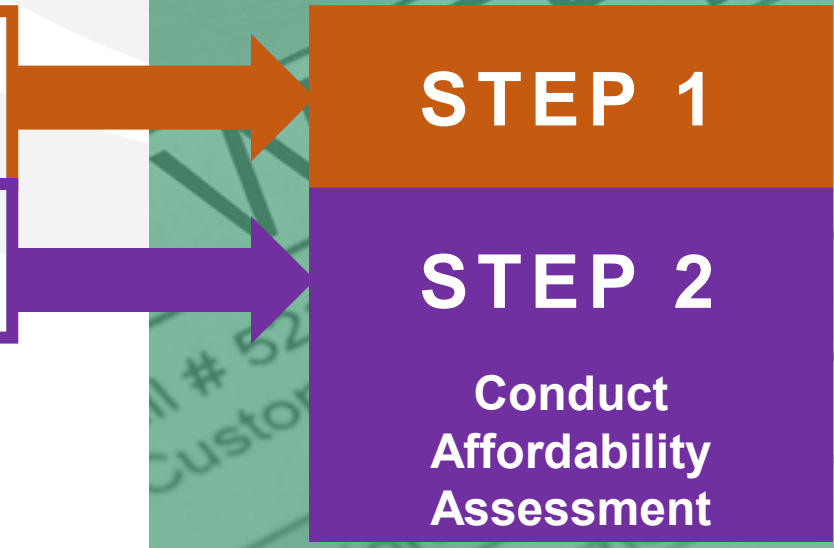


STEP 1
Identifying Systems to Analyze



SB 200 Requirements: Annual Affordability Assessment: STEP 2

State Water Board must identify **disadvantaged community water systems**, that have instituted customer charges that **exceed** the **“Affordability Threshold”** established by the State Water Board in order to provide drinking water that meets State and Federal standards.



2022 Affordability Assessment Workshops

Workshop 1: Overview of Drinking Water Affordability

- Presentation: <https://bit.ly/3jsl4k8>

Workshop 2: Potential Affordability Indicators

- Presentation: <https://bit.ly/3juZwEI>
- White Paper: <https://bit.ly/3HXrliS>

Workshop 3: Affordability Assessment Methodology & Threshold Setting

- Presentation: <https://bit.ly/3CKoBIG>
- White Paper: <https://bit.ly/3HVlslI>

STEP 1

DAC Determination

The State Water Board sought feedback on the current approach for identifying disadvantaged water systems

STEP 1: Identifying Systems Included in the Affordability Assessment

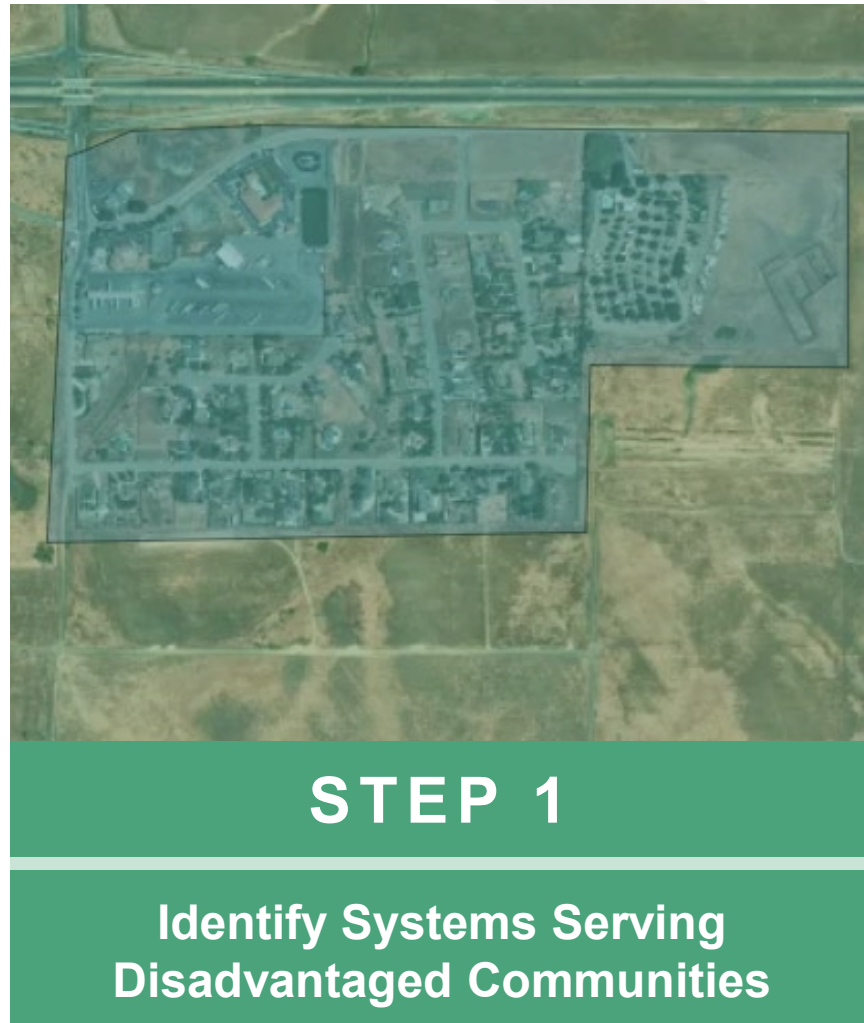


Disadvantaged (DAC) and Severely Disadvantaged (SDAC) communities are currently identified using U.S. Census **Median Household Income (MHI)** data within a system’s service area.

Established thresholds in regulation:

- **DAC:** MHI is less than 80% statewide MHI.
- **SDAC:** MHI is less than 60% statewide MHI.

STEP 1: 2022 Results for Public Water Systems



2,868
Community Water Systems Assessed



1,366 (48%)
DAC & SDAC Systems

This means that 52% of community water systems do not get to Step 2.

Identify Systems Serving DACs

Our recommendation for STEP 1 is to update the criteria for DAC identification.

A water system is a DAC if:

Its MHI is below the *county* low-income level*

OR

It's MHI is below *statewide* low-income level

*US Department of Housing and Urban Development (HUD) and California Housing and Community Development (HCD) release annual county level median income levels (very low-income, low-income and moderate-income limits by county)

Results of Recommended Method for Step 1

Number of water systems that are DACs, SDACs or Non-DACs for each methodology.

Community Status	<u>Current Approach</u> Systems below Statewide 80% MHI	<u>HCD Income Limits Only</u> Systems below HCD Low-Income Levels	<u>Recommended</u> Statewide MHI or HCD Methodology	<u>Difference</u> between current and recommended method
DAC/SDAC Systems	1,366	1,576	1,687	+ 321
Non-DAC Systems	1,394	1,184	1,073	- 321
Missing DAC Status	108	108	108	
TOTAL:	2,868	2,868	2,868	

321 additional systems would be considered a DAC using the recommended approach.

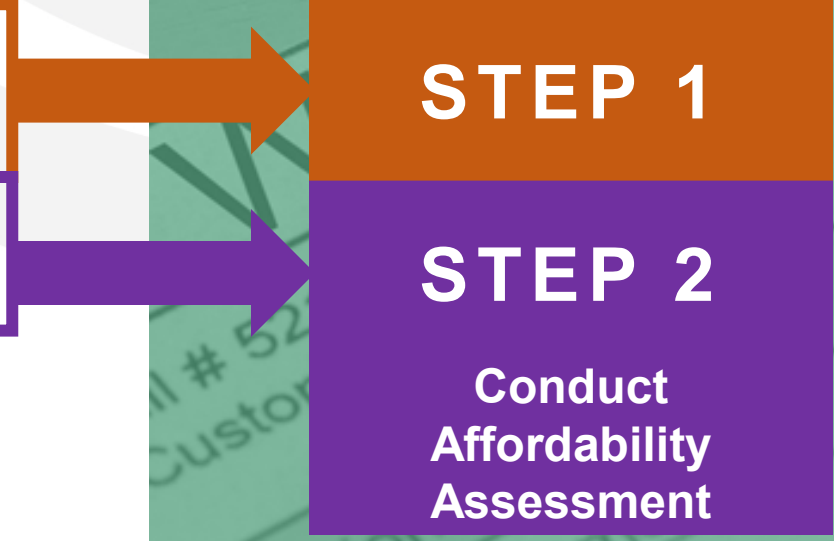
STEP 2

Affordability Assessment

The State Water Board sought feedback on existing and potential affordability indicators

SB 200 Requirements: Annual Affordability Assessment: STEP 2

State Water Board must identify **disadvantaged community water systems**, that have instituted customer charges that **exceed** the **“Affordability Threshold”** established by the State Water Board in order to provide drinking water that meets State and Federal standards.



Public Water Systems | Affordability Assessment Indicators

2020	2021	2022	2023
% Median Household Income	% Median Household Income	% Median Household Income	% Median Household Income
	Extreme Water Bill	Extreme Water Bill	Extreme Water Bill
	% Shut-Offs	% Shut-Offs	% of Residential Arrearages
		% of Residential Arrearages	Residential Arrearage Burden
		Residential Arrearage Burden	Residential Arrearage Burden
			Poverty & Housing Burden = “Household Socioeconomic Burden”

STEP 2: Affordability Indicators Over Time

Affordability Indicators	2020	2021	2022	2023	2024	2025
% Median Household Income	X	X	X	X	X	X
Extreme Water Bill		X	X	X	X	X
% Shut-Offs		X				X
% of Residential Arrearages			X			X
Residential Arrearage Burden			X			X
NEW Household Socioeconomic Burden				X	X	X

% Median Household Income

This indicator measures the annual system-wide average residential water bill for six hundred cubic feet (HCF) per month relative to the annual Median Household Income (MHI) within a water system’s service area.

Affordability Indicator	Thresholds	Risk Level = Affordability Burden
Percent of Median Household Income (%MHI)	Threshold 0 = Less than 1.49%	None
	Threshold 1 = 1.5% - 2.49%	Medium
	Threshold 2 = 2.5% or greater	High

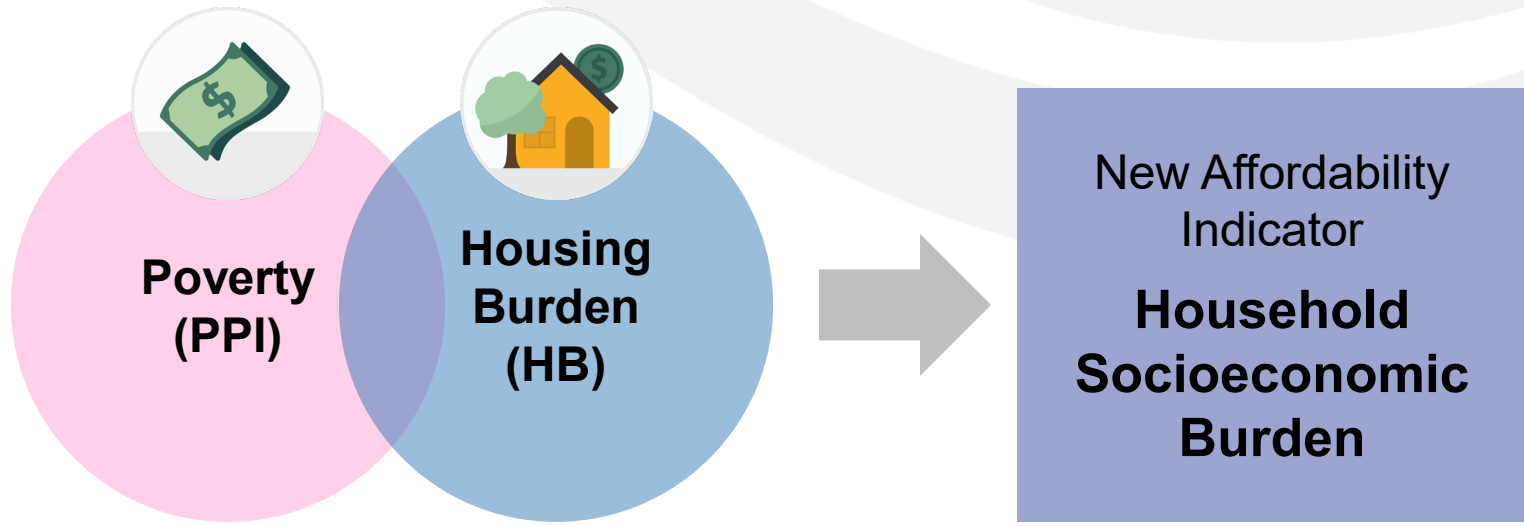
Extreme Water Bill

Measures a system's residential customer charges for 6 HCF compared the state-wide average. Identifies communities that are paying much higher rates.

Affordability Indicator	Thresholds	Risk Level = Affordability Burden
Extreme Water Bill	Threshold 0 = Below 149.99% of the statewide average.	None
	Threshold 1 = 150% - 199.99% of the statewide average.	Medium
	Threshold 2 = 200% or greater of the statewide average.	High

NEW Household Socioeconomic Burden

New indicator that is a combination of “Poverty Prevalence” and “Housing Burden”





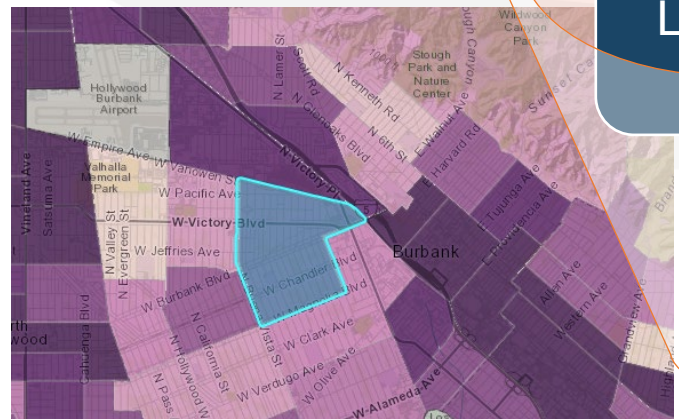
NEW Housing Burden

This indicator (Housing Burdened Low-Income Households) is calculated as the percent of households in a census tract that are both:

- Low income (making less than 80% of the HUD Adjusted Median Family Income)
- Severely burdened by housing costs (paying greater than 50% of their income to housing costs).

Source: 2014-2018 HUD Comprehensive Housing Affordability Strategy (CHAS)

Example Tract: 6037310900



Number of Households: 2330

Low-Income Households: 990

Households Severely Burdened by Housing Costs: 510

Housing Burdened Low-Income Households
(510/2330) x 100 = 21.9%



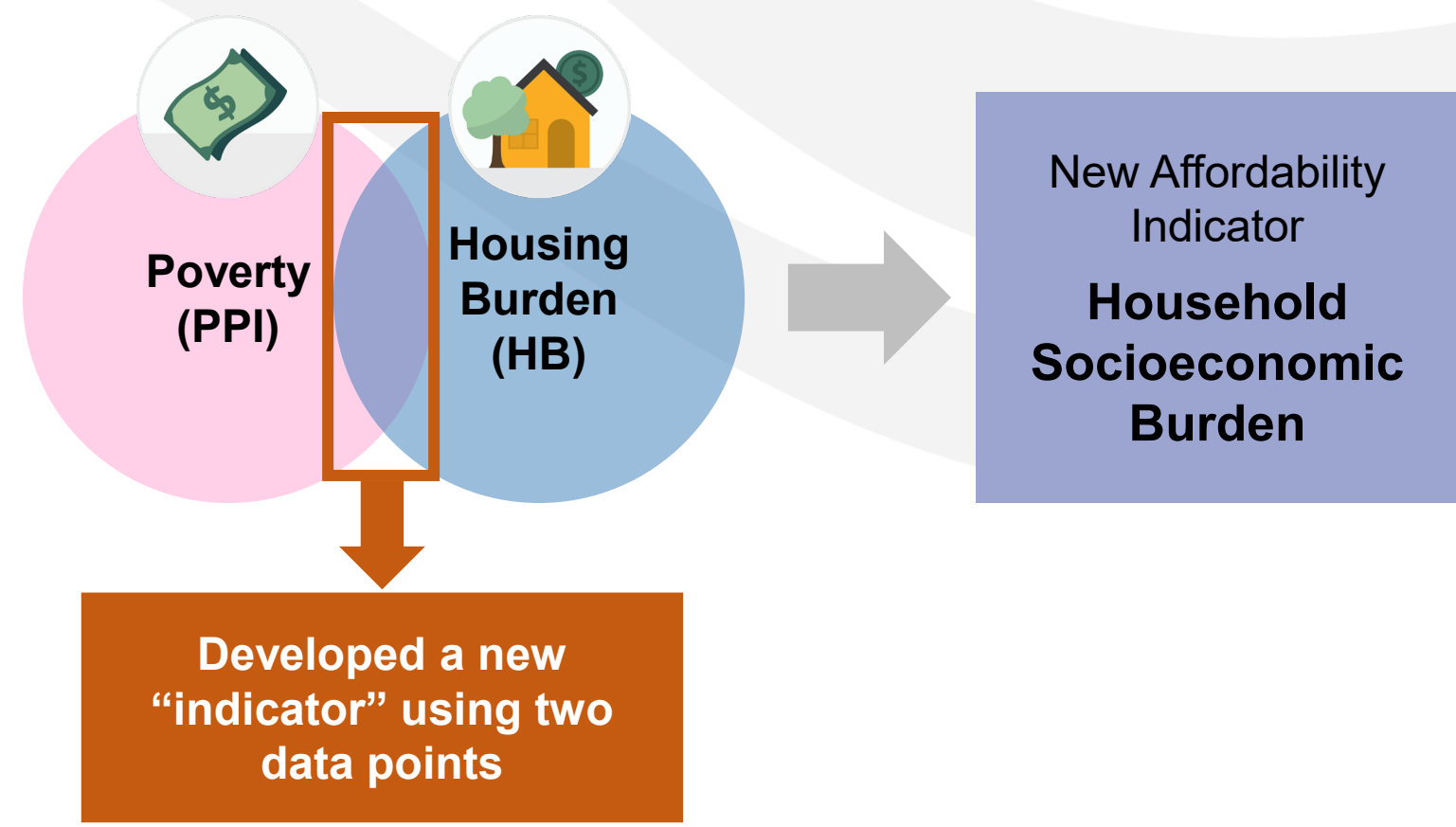
NEW Poverty Prevalence (PPI)

This indicator measures the percentage of a population that lives at or below 200% the Federal Poverty Level (FPL). This measurement indicates the degree to which relative poverty is prevalent in the community.

Source: 2015-2019 US Census, American Community Survey (ACS)

	Federal Poverty Level (2019)	2x Federal Poverty Level (2019)
For a 4-person household	\$25,750	\$51,500

Combining Poverty & Housing Burden Together



More details available in Appendix A of white paper: <https://bit.ly/3XQfulz>

Household Socioeconomic Burden with Component Threshold Scores

Poverty (PPI)	High Risk ≥ 35%	Score = 1	N/A	0.5	0.625	1
	Med Risk 20% - 35%	Score = 0.25	N/A	0.125	0.25	0.625
	None < 20%	Score = 0	N/A	0	0.125	0.5
	Unknown	Score = N/A	N/A	N/A	N/A	N/A
			Score = N/A	Score = 0	Score = 0.25	Score = 1
			Unknown	None < 14%	Med Risk 14% - 21%	High Risk ≥ 21%
Housing Burden (HB)						

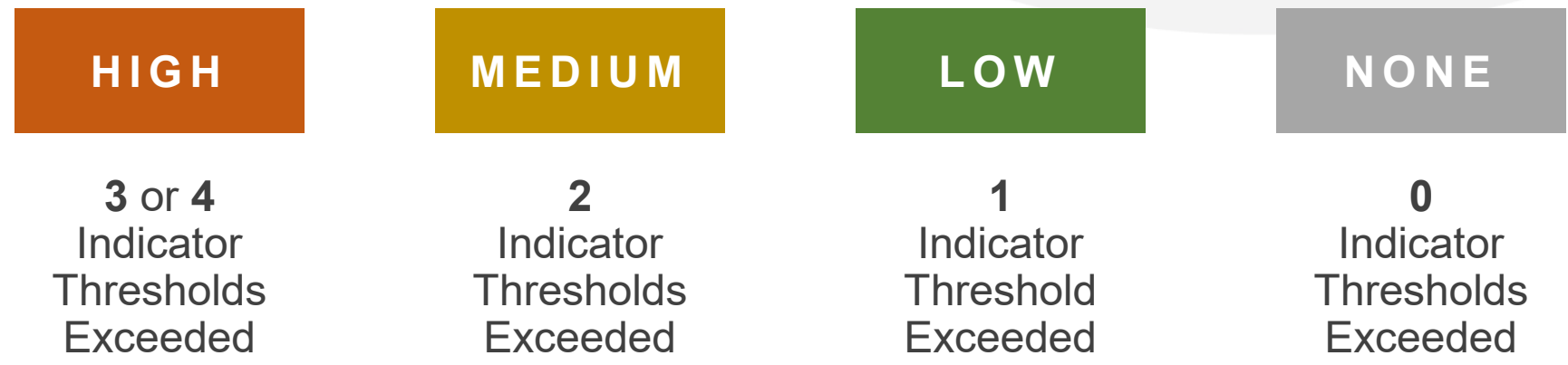
NEW Household Serioconomic Burden Indicator Threshold Scores

Threshold Number	Threshold	Score	Weight	Max Score	Risk / Affordability Burden Level
0	Combined score of 0 – 0.125	0	N/A	0	None
1	Combined score of 0.25 – 0.5	0.5	2	1	Medium
2	Combined score of 0.625 – 1.0	1	2	2	High

The 2022 “Affordability Threshold”

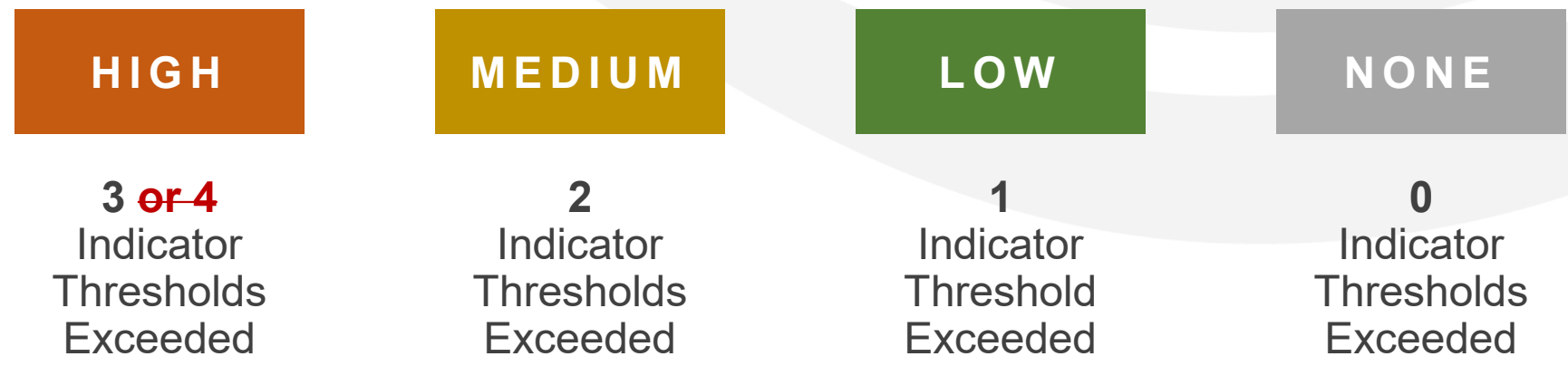
The 2022 Affordability Assessment methodology:

1. Applies thresholds to each affordability indicator.
2. Identifies systems exceeding multiple indicator thresholds. Systems are assigned an “Affordability Burden” of High, Medium, Low, or None.



“Affordability Threshold” Updated for 2023 Affordability Assessment

Updated to account for 3 affordability indicators rather than 4 from 2022.



Total Number of Systems Exceeding Min. Thresholds

Community Status	Total Systems	%MHI Thresh.	Extreme Water Bill Thresh..	Household Socioeconomic Burden Thresh.
DAC/SDAC Systems	1,709	364 (21%)	103 (6%)	1,322 (77%)
Non-DAC Systems	1,499	117 (8%)	214 (14%)	372 (25%)
Missing DAC Status	56	0 (0%)	2 (4%)	14 (25%)
TOTAL:	3,264	481 (15%)	319 (10%)	1,708 (52%)

Preliminary 2023 Affordability Assessment Results by DAC/SDAC SAFER Status

	Community Status	Total Systems Assessed	High Affordability Burden	Medium Affordability Burden	Low Affordability Burden	None
2022	DAC/SDAC Systems	1,408	69 (5%)	175 (12%)	311 (22%)	853 (61%)
	Non-DAC Systems	1,287	20 (2%)	142 (11%)	315 (23%)	810 (63%)
	Missing DAC Status	173	0 (0%)	6 (3%)	7 (10%)	160 (92%)
	TOTAL:	2,868	89 (3%)	323 (11%)	633 (21%)	1,823 (64%)
2023	DAC/SDAC Systems	1,709	76 (4%)	244 (14%)	1,073 (63%)	316 (18%)
	Non-DAC Systems	1,499	19 (1%)	107 (7%)	432 (29%)	941 (63%)
	Missing DAC Status	56	0 (0%)	1 (2%)	14 (25%)	41 (73%)
	TOTAL:	3,264	95 (3%)	352 (11%)	1,519 (47%)	1,298 (40%)

Access the Preliminary Affordability Assessment Results & Raw Data



System Name	Number of Service Connections	%MHI Affordability Assessment Score	%Shut-Offs Affordability Assessment Score	Extreme Waterbill Affordability Assessment Score	Total Affordability Assessment Score	Disadvantaged Community Status	SAFER Status
S - RC FARMS WS	2	Missing	Missing	Missing	Missing	Missing	Non HR2W
THILL WS #01	29	Missing	Missing	Missing	Missing	Missing	Non HR2W
FACILITIES AUTHORITY-JPA	Missing	Missing	Missing	Missing	Missing	Missing	Non HR2W
O COMMUNITY SERV	72	Missing	Missing	Missing	Missing	DAC	Non HR2W
6 CA2000526 LPA67 - TEHAMA COUNTY	70	Missing	Missing	Missing	Missing	Missing	Non HR2W
7 CA3310075 DISTRICT 20 - RIVERSIDE	Missing	Missing	Missing	Missing	Missing	Missing	Non HR2W
8 CA3310083 DISTRICT 20 - RIVERSIDE	Missing	Missing	Missing	Missing	Missing	Missing	Non HR2W
9 CA3500930 DISTRICT 05 - MONTEREY	11	Missing	Missing	Missing	Missing	Missing	Non HR2W
10 CA4200867 LPA72 - SANTA BARBARA COUNTY	13	Missing	Missing	Missing	Missing	Missing	At-Risk
11 CA4200885 LPA72 - SANTA BARBARA COUNTY	15	Missing	Missing	Missing	Missing	Missing	Non HR2W
12 CA4210028 DISTRICT 06 - SANTA BARBARA	40	Missing	Missing	Missing	Missing	Missing	Non HR2W
13 CA1800522 DISTRICT 02 - LASSEN	11	Missing	Missing	Missing	Missing	Missing	Non HR2W
14 CA1710010 DISTRICT 03 - MENDOCINO	776	Missing	Missing	Missing	Missing	SDAC	Non HR2W
15 CA2700624 LPA57 - MONTEREY COUNTY	23	Missing	Missing	Missing	Missing	Non-DAC	Non HR2W
16 CA2700629 LPA57 - MONTEREY COUNTY	31	Missing	Missing	Missing	Missing	Non-DAC	Non HR2W
17 CA1000054 DISTRICT 23 - FRESNO	107	Missing	Missing	Missing	Missing	SDAC	HR2W
18 CA1000595 DISTRICT 23 - FRESNO	10	Missing	Missing	Missing	Missing	SDAC	At-Risk
19 CA3300011 DISTRICT 10 - STOCKTON	19	Missing	Missing	Missing	Missing	Non-DAC	At-Risk
20 CA4000020 LPA34 - BUTTE COUNTY	88	Missing	Missing	Missing	Missing	SDAC	Non HR2W
21 CA5200546 LPA82 - TEHAMA COUNTY	24	Missing	Missing	Missing	Missing	SDAC	At-Risk
22 CA3700962 LPA67 - SAN DIEGO COUNTY	125	Missing	Missing	Missing	Missing	Non-DAC	At-Risk
23 CA4600056 DISTRICT 02 - LASSEN	69	Missing	Missing	Missing	Missing	Non-DAC	Non HR2W
24 CA5610056 DISTRICT 06 - SANTA BARBARA	342	Missing	Missing	Missing	Missing	DAC	Non HR2W
25 CA2701687 LPA57 - MONTEREY COUNTY	46	Missing	Missing	Missing	Missing	DAC	Non HR2W
26 CA2701701 LPA57 - MONTEREY COUNTY	16	Missing	Missing	Missing	Missing	DAC	Non HR2W
27 CA2701063 LPA57 - MONTEREY COUNTY	19	Missing	Missing	Missing	Missing	DAC	HR2W
28 CA3701793 LPA67 - SAN DIEGO COUNTY	145	Missing	Missing	Missing	Missing	SDAC	HR2W
29 CA4900009 DISTRICT 02 - LASSEN	191	Missing	Missing	Missing	Missing	DAC	Non HR2W
30 CA4900508 DISTRICT 18 - SONOMA	157	Missing	Missing	Missing	Missing	DAC	HR2W
31 CA4900720 DISTRICT 18 - SONOMA	151	Missing	Missing	Missing	Missing	SDAC	Non HR2W
32 CA18000516 DISTRICT 02 - LASSEN	44	Missing	Missing	Missing	Missing	DAC	Non HR2W
33 CA1805007 DISTRICT 02 - LASSEN	297	Missing	Missing	Missing	Missing	SDAC	Non HR2W
34 CA5610011 DISTRICT 06 - SANTA BARBARA	7508	1.5	1	1.5	4	DAC	Non HR2W
35 CA5610002 DISTRICT 06 - SANTA BARBARA	3917	1.5	1	1.5	4	DAC	Non HR2W
36 CA1910092 DISTRICT 07 - HOLLYWOOD	13631	1.5	1	1.5	4	DAC	Non HR2W
37 CA4810004 DISTRICT 04 - SAN FRANCISCO	5389	1.5	1	1.5	4	Non-DAC	Non HR2W
38 CA3301491 LPA63 - RIVERSIDE COUNTY	60	1.5	1	1.5	4	DAC	HR2W
39 CA3610001 DISTRICT 13 - SAN BERNARDINO	8301	1.5	1	1.5	4	SDAC	Non HR2W
40 CA3310016 DISTRICT 20 - RIVERSIDE	9325	1.5	1	1.5	4	SDAC	Non HR2W

Download the **Preliminary Affordability Assessment Results Spreadsheet:**

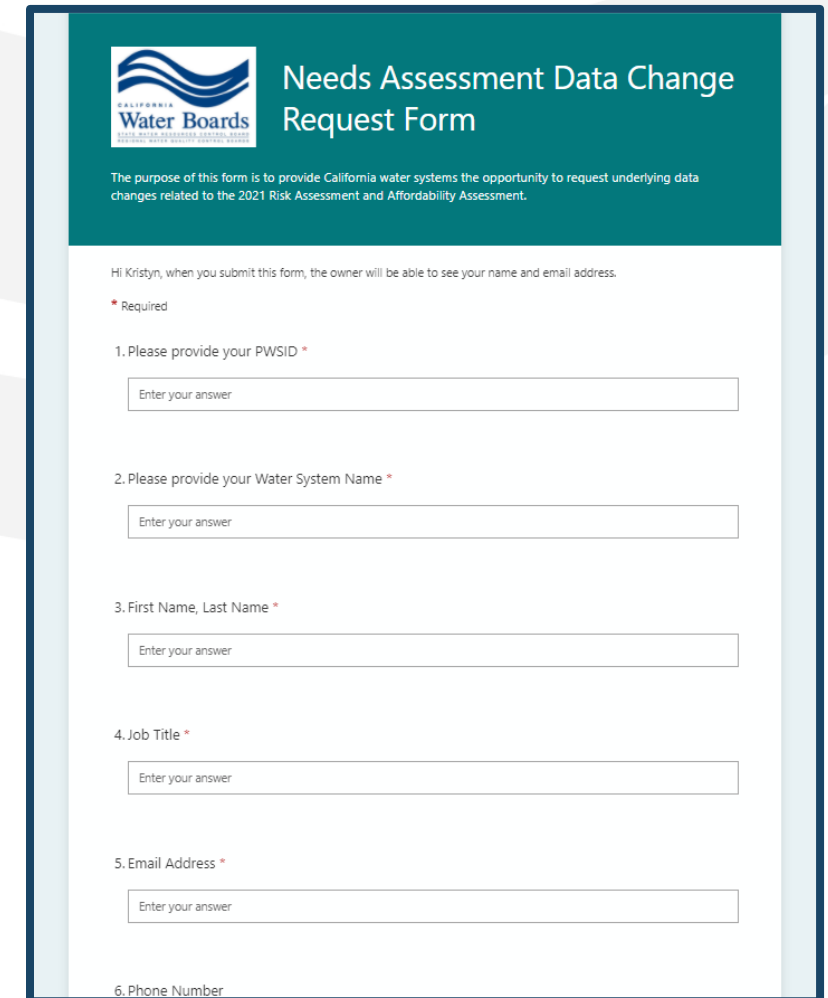
<https://bit.ly/3XPn4Dr>

Water System Data Change Requests

See something that isn't right? Water systems can submit a **data change request** here:

<https://bit.ly/3wDanj8>

Requests will be reviewed by State Water Board staff.



The screenshot shows a web form titled "Needs Assessment Data Change Request Form" from the California Water Boards. The form includes a header with the logo and a brief description of its purpose. Below the header, there is a message: "Hi Kristyn, when you submit this form, the owner will be able to see your name and email address." The form contains six numbered fields, each with a "Required" asterisk and a placeholder text "Enter your answer".

California Water Boards
NEEDS ASSESSMENT DATA CHANGE REQUEST FORM

The purpose of this form is to provide California water systems the opportunity to request underlying data changes related to the 2021 Risk Assessment and Affordability Assessment.

Hi Kristyn, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Please provide your PWSID *

Enter your answer

2. Please provide your Water System Name *

Enter your answer

3. First Name, Last Name *

Enter your answer

4. Job Title *

Enter your answer

5. Email Address *

Enter your answer

6. Phone Number



Next Steps and Announcements

Immediate Next Steps

- Water system data change requests:
 - <https://bit.ly/3wDanj8>
- General feedback on the Proposed Changes for the 2023 Needs Assessment:
 - 2023 Drinking Water Needs Assessment: <https://bit.ly/3uJSUFH>
 - Submit feedback to: SAFER@waterboards.ca.gov
 - Please submit feedback on the report by **02.24.2023**

Discussion Topic 3: General Needs Assessment Questions

Do you have any questions or comments about the Needs Assessment?

Ways to Participate

- 1. Watch ONLY:** Visit video.calepa.ca.gov
- 2. Email:** Submit a comment or ask a question that will be read aloud, send an email to: safer@waterboards.ca.gov
- 3. Q&A:** Submit a question using the Q&A feature at the bottom of your Zoom Screen. You can UPVOTE any question you would like answered.
- 4. Raise Hand:** Attendees will be given the opportunity to provide verbal comment or ask questions, if you're interested in this option, please raise your virtual hand when the time is right.

- Please wait for your name to be called.
- Public comments are 3 minutes each.

The background features a dynamic image of water splashing, with various sized droplets and bubbles. A prominent white, stylized wave graphic curves across the lower half of the frame, partially overlapping the water image. The overall color palette is dominated by shades of blue, from deep navy to bright cyan.

THANK YOU

CALIFORNIA WATER BOARDS

SAFER PROGRAM