Welcome and Meeting Logistics

Itze Abeyta

Water Board's 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.

CALIFORNIA WATER BOARDS　　　　**SAFER PROGRAM**

What is the SAFER Drinking Water Program?

SAFER = Safe and Affordable Funding for Equity and Resilience

Division of
Drinking Water
systems

Division of
Financial
Assistance
funding

Office of
Public
Participation
communities

SAFER
Advisory Group
local expertise

Presentation Outline

- Overview of Needs Assessment

- Risk Assessment 2.0 Development

- Process for Determining Recommended Risk Indicators

- Proposed Recommended Risk Indicators

- Next Steps and Timeline

Ways to Participate-

1. Watch ONLY: Visit <mark>video.calepa.ca.gov</mark>

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.

Welcome and Introduction

Kristyn Abhold
Needs Analysis Unit
Division of Drinking

Audience Poll Question 1

Did you participate in or review the April 17, 2020 and/or July 22, 2020 webinar on the Risk Assessment for Public Water Systems?

- Yes

- No

View recordings and materials here: https://www.waterboards.ca.gov/safer/calendar.html

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

CALIFORNIA WATER BOARDS   **SAFER PROGRAM**

Audience Poll Question 2

Have you read the White Paper: *"Evaluation of Potential Indicators & Recommendations for Risk Assessment 2.0 for Public Water Systems"*?

- Yes, read the whole thing

- Yes, I skimmed it

- No, but I plan to

- No, I don't intend to read it

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

CALIFORNIA WATER BOARDS   **SAFER PROGRAM**

B 200 and the Needs Assessment

Senate Bill 200 created the 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

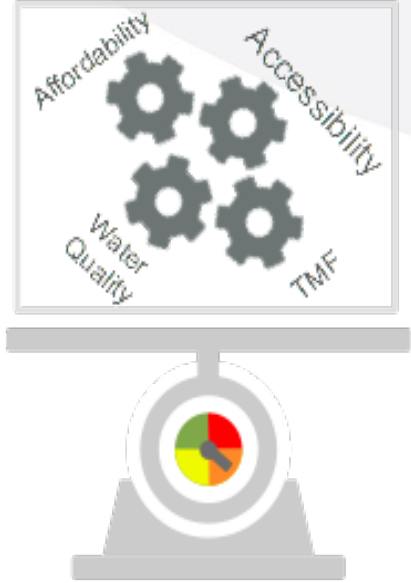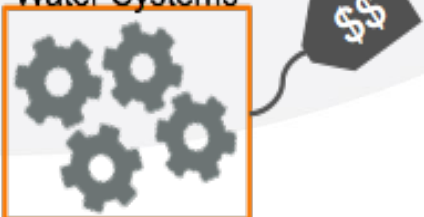| COMPONENT 1	**Affordability Assessment** *Public Water Systems*
COMPONENT 2	**Risk Assessment** *Public Water Systems (<3,300 connections), Tribal Systems, State Small Water Systems, and Domestic Wells*
COMPONENT 3	**Cost Estimate for Interim and Long-Term Solutions** *Public Water Systems (<3,300 connections), Tribal Systems, State Small Water Systems, and Domestic Wells*

Needs Assessment for Public Water Systems
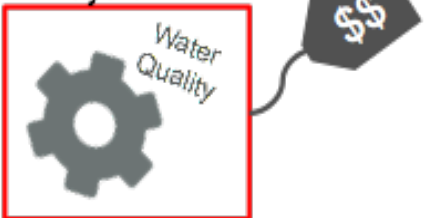
SAFER Program and the Risk Assessment

Priority pyramid (top to bottom):
- HUMAN RIGHT TO WATER SYSTEMS — *OUT OF COMPLIANCE*
- AT-RISK SYSTEMS & DOMESTIC WELLS
- POTENTIALLY AT-RISK SYSTEMS & DOMESTIC WELLS
- NOT AT-RISK SYSTEMS & DOMESTIC WELLS

PRIORITY

SAFER Program

SAFER PROGRAM

Division of Financial Assistance	Division of Drinking Water	Division of Water Quality	Office of Public Participation
Fund Expenditure Plan & Executing Funding	Needs Assessment, Data Collection, & Engagement	State Smalls & Domestic Well Sourcewater Quality	Public Engagement & Meeting Facilitation

COLLABORATION PARTNERS

SAFER Advisory Group	Department of Water Resources	CA Public Utilities Commission	UCLA, Luskin Center for Innovation	UC Berkeley CEC-WESS
Office of Env. Health Hazard Assessment	Environmental Finance Centers: UNC & Sac State	Pacific Institute	Corona Environmental	CA Conference of Directors of Env. Health

Needs Assessment Uses

Risk Assessment for Public Water Systems
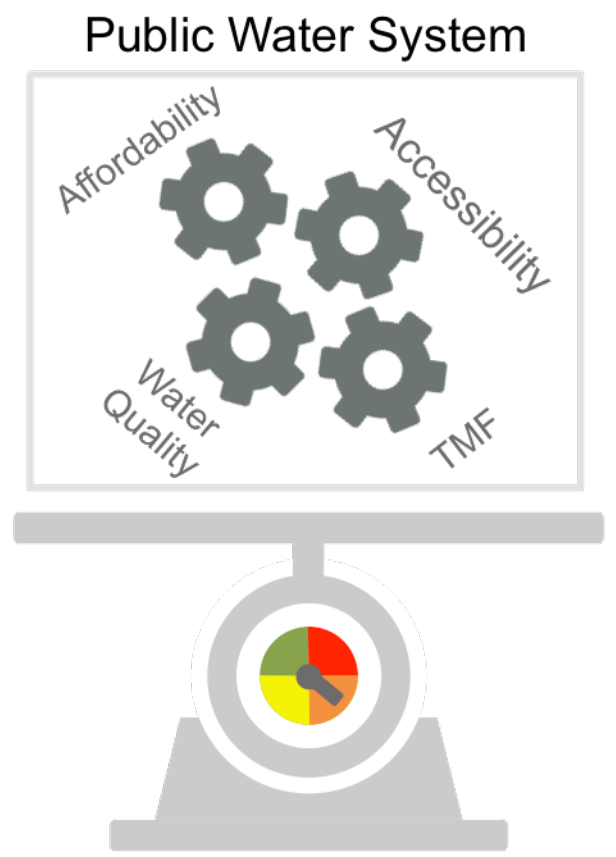
Public Water System

Affordability

Accessibility

Water Quality

TMF

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.

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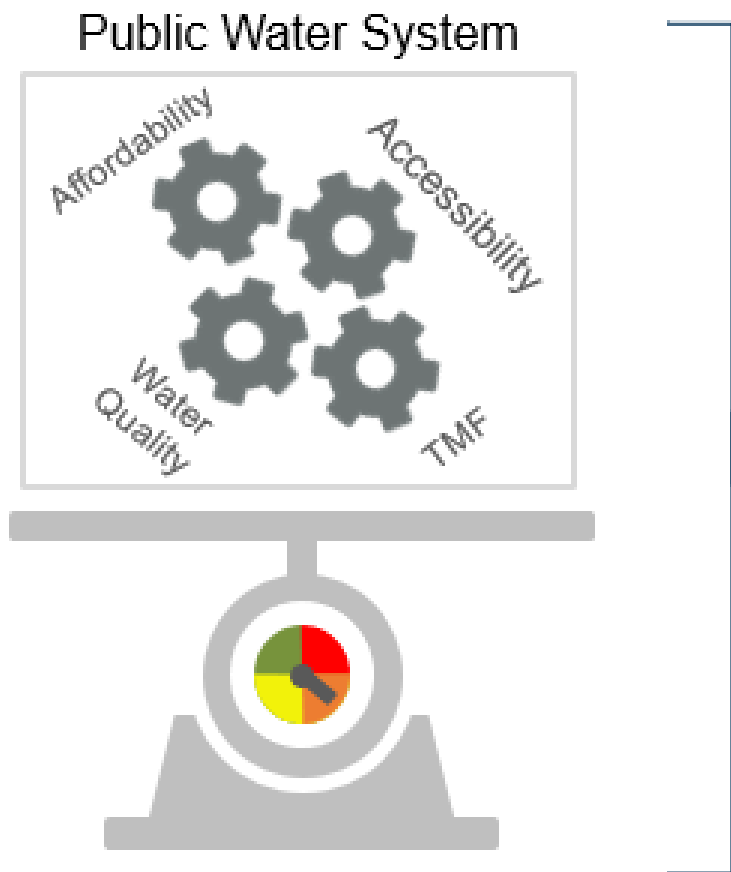
Values associated with a risk indicator that designates when a water system is more at-risk of becoming non-compliant with water quality standards.

WEIGHTS / SCORES

Application of weight to each risk indicator – as some may be deemed more critical than others in contributing to overall risk.

Risk Assessment for Public Water Systems

Public Water System

Affordability · Accessibility · Water Quality · TMF

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.

TODAY'S WEBINAR

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.
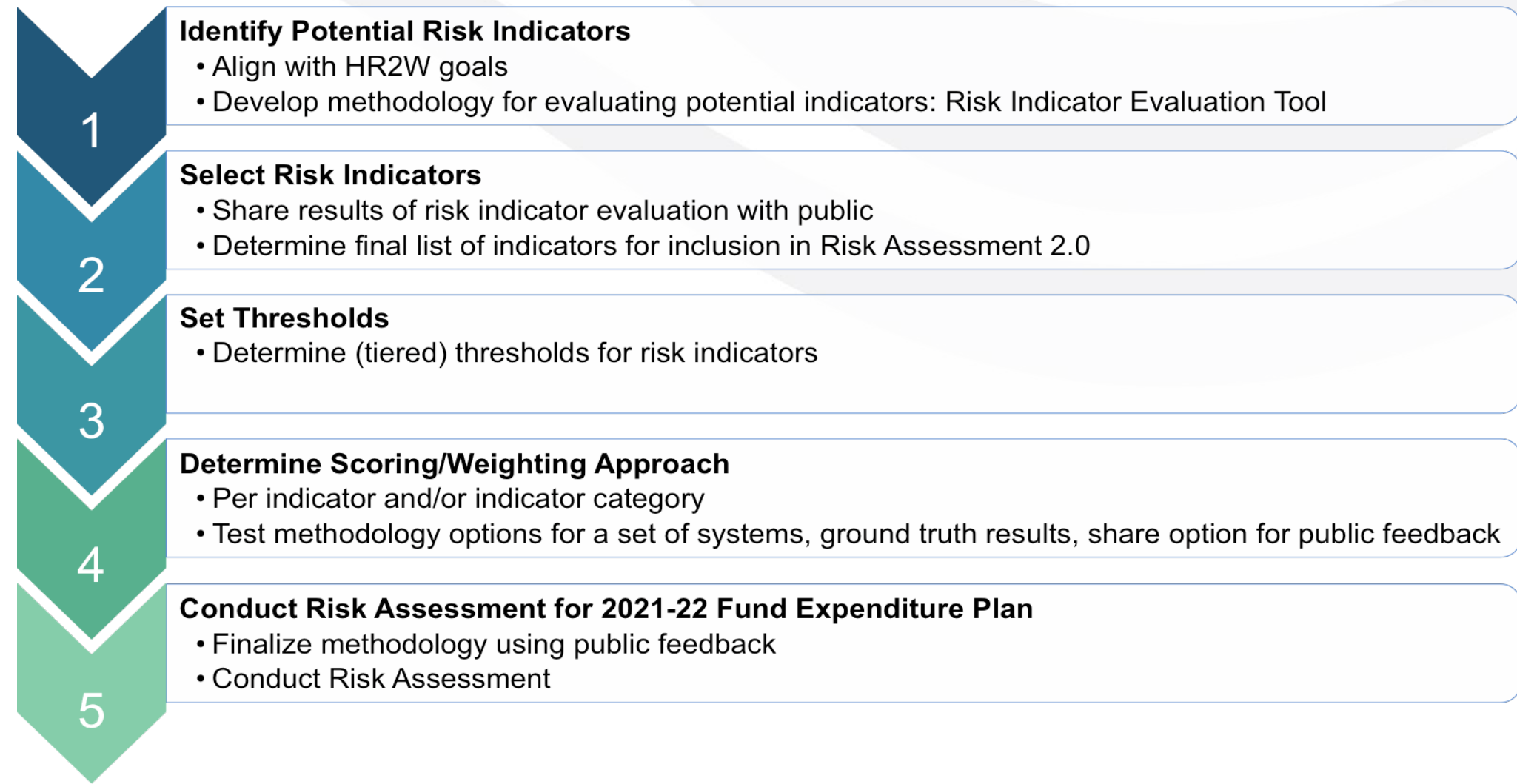
WEIGHTS / SCORES
Application of weight to each risk indicator – as some may be deemed more critical than others in contributing to overall risk.

DECEMBER 14th WEBINAR

Phases of Risk Assessment Development

1

Identify Potential Risk Indicators
- Align with HR2W goals
- Develop methodology for evaluating potential indicators: Risk Indicator Evaluation Tool

2

Select Risk Indicators
- Share results of risk indicator evaluation with public
- Determine final list of indicators for inclusion in Risk Assessment 2.0

3

Set Thresholds
- Determine (tiered) thresholds for risk indicators

4

Determine Scoring/Weighting Approach
- Per indicator and/or indicator category
- Test methodology options for a set of systems, ground truth results, share option for public feedback

5

Conduct Risk Assessment for 2021-22 Fund Expenditure Plan
- Finalize methodology using public feedback
- Conduct Risk Assessment

Re-Cap Risk Assessment 1.0 Indicators

Risk Assessment 1.0 Indicators (water systems < 3,300 connections)

- Explored in April 17, 2020 Webinar: https://www.waterboards.ca.gov/safer/calendar.html
- Detailed in White Paper: https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/draft_white_paper_indicators_for_risk_assessment_07_15_2020_final.pdf

• Water Outages	• Monitoring and Reporting Violations
• Waterborne Illness: Current and Historical	• Bacteriological Violations or E. coli
• Lead and Copper	• Operator Certification Violations
• Extensive Treatment Required	• Disadvantaged Community Status
• Treatment Technique Violations	• Location In a High Priority Groundwater Basin
• Single Groundwater Source	• Active Standing with California Secretary of State Status Requirements
• Absence of Customer-Level Meters	

CALIFORNIA WATER BOARDS   **SAFER PROGRAM**
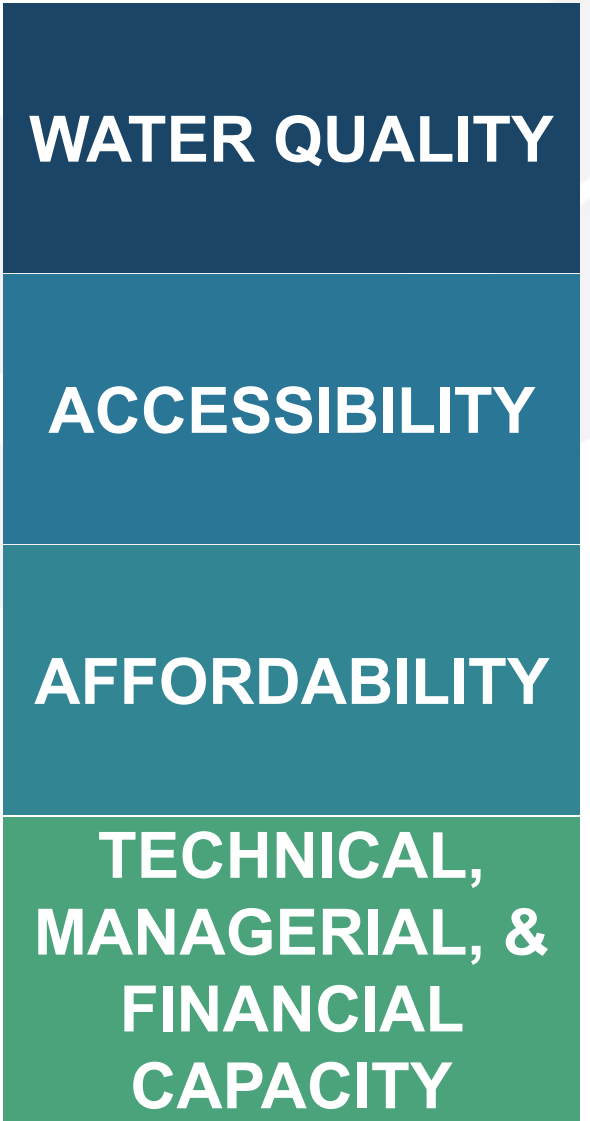
Step 1: Identify Possible Risk Indicators

Solicited public and stakeholder recommendations through 2 webinar workshops:

- April 17, 2020
- July 22, 2020

Webinar Recordings and Detailed Draft White Paper:
https://www.waterboards.ca.gov/safer/calendar.html

129 Potential Risk Indicators Identified!

WATER QUALITY

ACCESSIBILITY

AFFORDABILITY

TECHNICAL, MANAGERIAL, & FINANCIAL CAPACITY

Identifying Potential Risk Indicators

- Researched federal, state, and NGO efforts

- Explored alignment with other CA State efforts:

  - **Office of Environmental Health Hazard Assessment (13 Indicators)**

    - HR2W Risk Assessment and Data Tool

  - **Department of Water Resources (29 Indicators)**

    - Integrated Regional Water Management (IRWM) planning efforts
    - Drought and Water Shortage Risk Scoring Tool

  - **California Public Utilities Commission (3 Indicators)**

Progress Since July 22nd Public Webinar

1 Incorporated public and internal-DDW recommendations to finalize list of **129 potential risk indicators**

2 Utilized **Evaluation Tool** to assess the Applicability and Data Fitness of all 129 potential risk indicators.
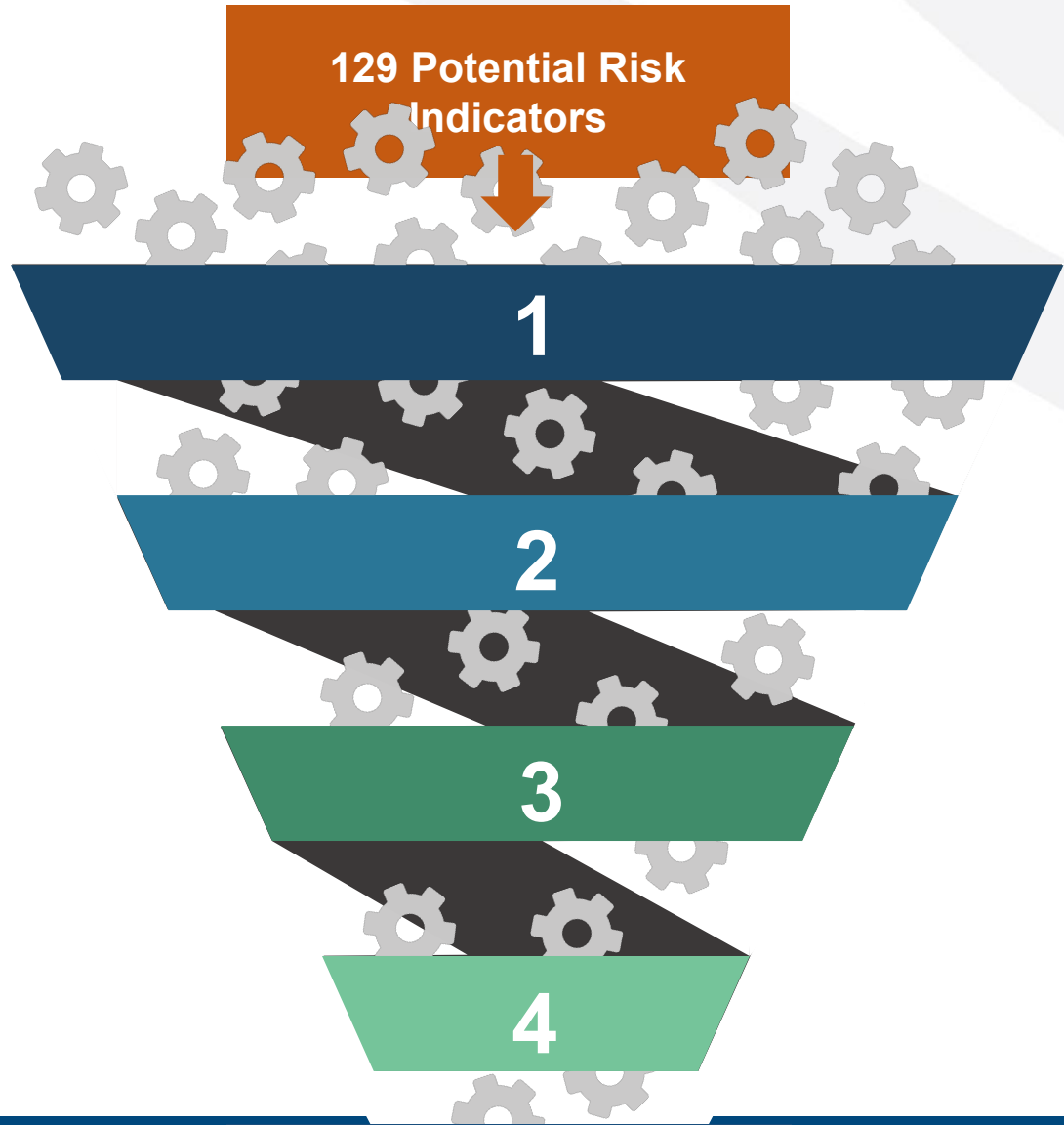
3 Identified **duplicative potential risk indicators**, to avoid "double counting" in Risk Assessment 2.0

4 **Recommended** a list of indicators for Risk Assessment 2.0 and published a **White Paper** for public feedback

Process for Selecting Indicators for Risk Assessment 2.0

129 Potential Risk Indicators

1

2

3

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

CALIFORNIA   SAFER PROGRAM

Step 1: Assess Risk Indicators with Evaluation Tool
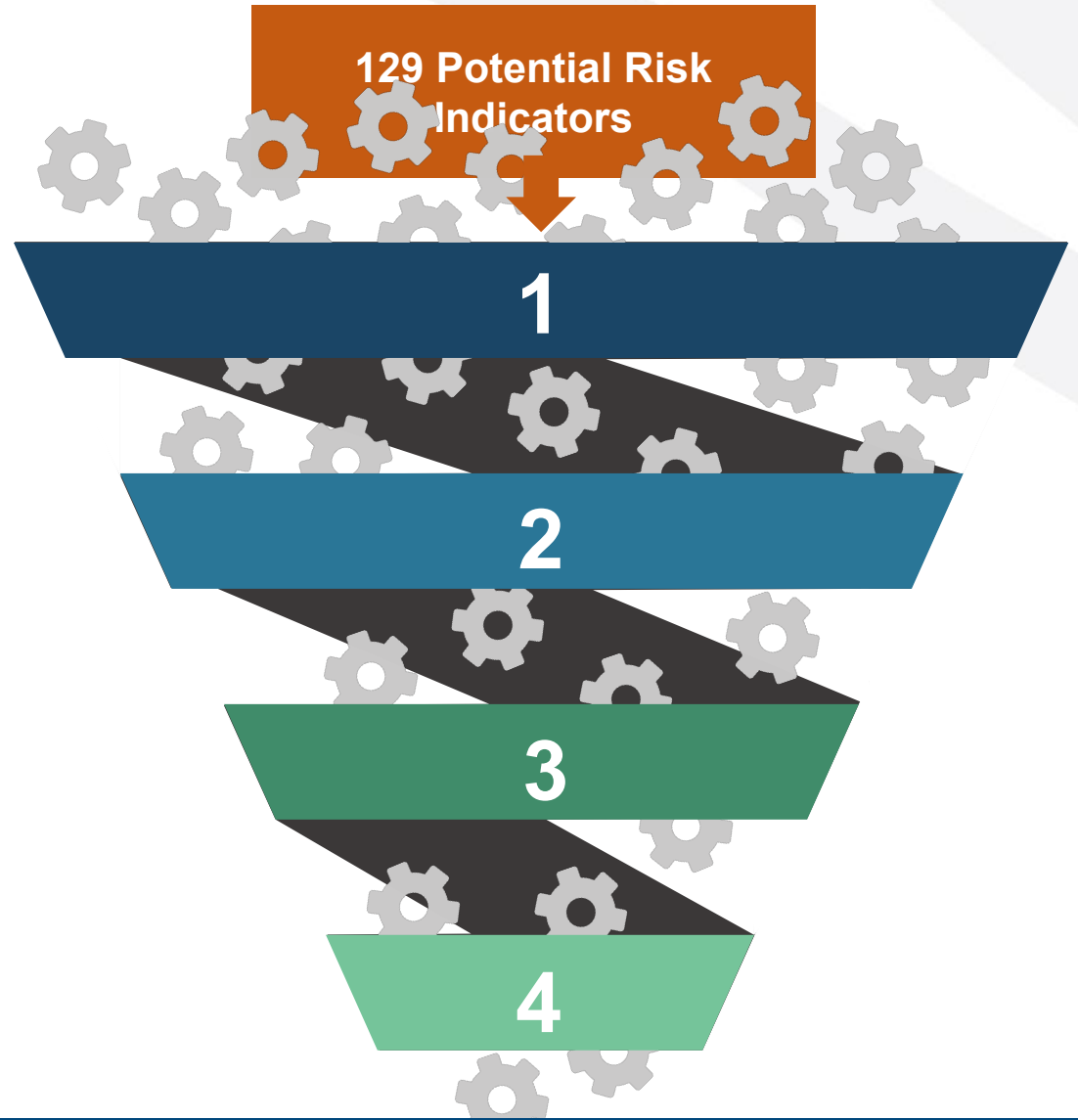
① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

CALIFORNIA WATER BOARDS   **SAFER PROGRAM**

Risk Indicator Evaluation Tool

STEP 1

STEP 2: DATA FITNESS

STEP 3

RISK INDICATOR APPLICABILITY

DATA COVERAGE

DATA AVAILABILITY

DATA ACCURACY/ QUALITY

COMBINED EVALUATION

Step 1 Evaluation Results

STEP 1: RISK INDICATOR APPLICABILITY

This step evaluated whether a relatively strong relationship exists between a potential risk indicator and a water system's ability to provide adequate and safe drinking water.

- Scoring Criteria for Step 1:

  - **Excellent**: **8 risk indicators**
    - Evidence-driven.
  - **Good**: **86 risk indicators**
    - Water sector recognized.
  - **Fair**: **30 risk indicators**
    - Some water sector debate over relationship.
  - **Poor**: **5 risk indicators**
    - Neither evidence-based nor water sector recognized.

We relied on public feedback, external recommendations, and survey responses from 60 engineers from State Water Board District offices to determine Applicability score.

Data Coverage Evaluation Results

STEP 2: DATA FITNESS

This step evaluated whether the **required data** for each risk indicator meets the following criteria:

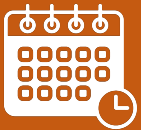|	
DATA COVERAGE	Evaluated whether the data is available for a sufficient number of California public water systems. • **Good**: 90% or more: **63 risk indicators** • **Fair**: 65% - 90%: **28 risk indicators** • **Poor**: Below 65%: **38 risk indicators**
DATA AVAILABILITY	
DATA ACCURACY / QUALITY	

Data Availability Evaluation Results

STEP 2: DATA FITNESS

This step evaluated whether the **required data** for each risk indicator meets the following criteria:

DATA COVERAGE
DATA AVAILABILITY
DATA ACCURACY / QUALITY

Evaluated whether the data is updated and available on a recurring basis.

- **Good: 73 risk indicators**
  - Updated annually or more frequently
- **Fair: 23 risk indicators**
  - Updated less than annually but at least every three years
- **Poor: 33 risk indicators**
  - Updated less than every three years

Data Accuracy/Quality Evaluation Results

STEP 2: DATA FITNESS

We relied on external stakeholder feedback and survey responses from 60 engineers from State Water Board District offices to determine Data Accuracy score.

This step evaluated whether the **required data** for each risk indicator meets the following criteria:

DATA COVERAGE

DATA AVAILABILITY

DATA ACCURACY / QUALITY

Evaluated whether the data reasonably or accurately reflects what the data is meant to measure and/or illustrate.

- **Good: 44 risk indicators**
  - Credible source, correctly reported.
- **Fair: 58 risk indicators**
  - Credible source, fairly correctly reported.
- **Poor: 27 risk indicators**
  - Dubious source, extensive incorrect reporting.

Risk Indicator Evaluation Tool: Step 3

STEP 3: COMBINED EVALUATION

This Step combined the evaluations from Steps 1 and 2 to determine if the State Water Board should consider the risk indicator for inclusion in Risk Assessment 2.0.

- **Yes**: Step 1 results must be Excellent or Good; and Step 2 results must be Good for all three criteria.
- **Maybe**: Step 1 results must be Good; and Step 2 results may be Good or Fair for all three criteria.
- **No**: Step 1 results are Fair or Poor; and Step 2 results are Fair or Poor for all three criteria.
- **Future**: Step 1 results are Excellent or Good, and Step 2 results are Fair and Poor. These will be retained for consideration for future iterations to see if data fitness scores improve.

Step 3 Evaluation Results

STEP 3: COMBINED EVALUATION

	Not Considered for Risk Assessment 2.0		Considered for Risk Assessment 2.0	
	No	**Future**	**Maybe**	**Yes**
Water Quality	8	6	2	12
Accessibility	16	8	5	7
Affordability	5	5	13	0
TMF Capacity	5	25	6	6
TOTAL:	**34**	**44**	**26**	**25**

Potential Risk Indicator Evaluations

Detailed evaluations for each potential risk indicator can be found in the Supplemental Appendices for the white paper.

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

- D.1 Potential Water Quality Risk Indicator Evaluations:
  https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/safer_supp_appxd1_101320.pdf
- D.2 Potential Accessibility Risk Indicator Evaluations:
  https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/safer_supp_appxd2_101320.pdf
- D.3 Potential Affordability Risk Indicator Evaluations:
  https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/safer_supp_appxd3_101320.pdf
- D.4 Potential TMF Risk Indicator Evaluations:
  https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/safer_supp_appxd4_101320.pdf

Audience Poll Question 3

Do these evaluation results align with what you expected?

- Yes, I expected these results

- Maybe, I haven't had a chance to review the potential risk indicator evaluations

- Maybe, there are some potential risk indicator evaluations I don't agree with

- No, I disagree with a majority of the potential risk indicator evaluations, the results do not align with my expectations

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

Step 2: Refine the List of Potential Risk Indicators

129 Potential Risk Indicators

1

51 Potential Risk Indicators

2

3

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

Step 3: Refine the List of Potential Risk Indicators Further (1/2)

129 Potential Risk Indicators

1

51 Potential Risk Indicators

2

3

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

Identifying Duplicative Potential Risk Indicators

- Created subcategories within the 4 risk indicator categories.

- Determined which indicators were moderately duplicative with other risk indicators that met evaluation criteria.

- **Results**: **27** or **53%** were somewhat or wholly duplicative.

- **Refinement**: Avoiding duplication refines list to **36 potential risk indicators for consideration**.

Example of Duplicative Potential Risk Indicators (Table 3 in White Paper – pg. 16)

Accessibility		
Source Diversification, Condition, and Reliability	**Unique?**	**Duplicative**
Number of Sources	No	A
Single Groundwater Source	No	A
Presence of Interties	No	B
Emergency Interties	No	B
Projected Sea Level Risk as Salt Water Intrusion in Coastal Groundwater	Yes	
Water Source Types	Yes	

Step 3: Refine the List of Potential Risk Indicators Further (2/2)

129 Potential Risk Indicators

1

51 Potential Risk Indicators

2

36 Potential Risk Indicators

3

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

Step 4: Make Recommendations for Risk Assessment 2.0 (1/2)

129 Potential Risk Indicators

1

51 Potential Risk Indicators

2

36 Potential Risk Indicators

3

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

Considerations for Risk Indicator Recommendations:

- Limit the number of risk indicators to a reasonable number in order to simplify the analytical burden while still providing a full picture of risk.

- Ensure a diversity of risk indicator types.

- Avoid duplicative risk indicators.

- Identify the appropriate balance between risk indicators that may be influenced by water system management and risk indicators that are outside a water system's sphere of influence.

Recommended Water Quality Risk Indicators (White Paper – Pg. 19)

WATER QUALITY	ACCESSIBILITY	AFFORDABILITY	TMF CAPACITY

Risk Indicator	Utilized By Others?
E. Coli Presence	Risk Assessment 1.0
Increasing Presence of Water Quality Trends Toward MCL	
Treatment Technique Violations	Risk Assessment 1.0
Past Presence on the HR2W List	
Maximum Duration of High Potential Exposure (HPE)	OEHHA HR2W Tool
Percentage of Sources Exceeding an MCL	

Recommended Accessibility Risk Indicators (White Paper – Pg. 21)

WATER QUALITY	ACCESSIBILITY	AFFORDABILITY	TMF CAPACITY

Risk Indicator	Utilized By Others?
Number of Sources	OEHHA HR2W Tool; DWR Water Shortage Risk Tool
Presence of Interties	OEHHA HR2W Tool; DWR Water Shortage Risk Tool
Water Source Types	OEHHA HR2W Tool
DWR – Drought & Water Shortage Risk Assessment Results	DWR
Critically Overdrafted Groundwater Basin	DWR Water Shortage Risk Tool

Recommended Affordability Risk Indicators (White Paper – Pg. 22)

WATER QUALITY	ACCESSIBILITY	AFFORDABILITY	TMF CAPACITY

Risk Indicator	Utilized By Others?
Percent of Median Household Income (2021-22 Needs Assessment Only)	OEHHA HR2W Tool; SWRCB-FEP 2020/21; UNC Financial Dashboard
Household Burden Indicator for Drinking Water (2022-23 Needs Assessment)	UNC Financial Dashboard
Poverty Prevalence Indicator (2022-23 Needs Assessment)	
Housing Burden (2022-23 Needs Assessment)	
Extreme Water Bill (2021-22 and 2022-23 Needs Assessment)	SWRCB AB-401 Report
% Shut-Offs (2021-22 and 2022-23 Needs Assessment)	

Recommended TMF Capacity Risk Indicators (White Paper – Pg. 24)

WATER QUALITY	ACCESSIBILITY	AFFORDABILITY	TMF CAPACITY

Risk Indicator	Utilized By Others?
Number of Service Connections	
Operator Certification Violations	Risk Assessment 1.0
Monitoring and Reporting Violations	Risk Assessment 1.0; OEHHA HR2W Tool
Significant Deficiencies	
Extensive Treatment Installed	

Step 4: Make Recommendations for Risk Assessment 2.0 (2/2)

129 Potential Risk Indicators

1

51 Potential Risk Indicators

2

35 Potential Risk Indicators

3

22 Recommended Risk Indicators

4

① Assess 129 potential risk indicators for Applicability and Data Fitness using Evaluation Tool.

② Use evaluation results to refine list of potential risk indicators.

③ Identify moderately duplicative potential risk indicators to further refine list.

④ Make recommendation and solicit public feedback to determine final list of indicators for Risk Assessment 2.0.

CALIFORNIA WATER BOARDS   **SAFER PROGRAM**

Audience Poll Question 4

Do you support this list of recommended indicators for Risk Assessment 2.0?

- Yes, I support this list of risk indicators

- Maybe, there are some risk indicator recommendations I don't agree with

- No, I do not support the majority of the recommended risk indicators

- I need more time to review before I provide feedback

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

Violation-Type Risk Indicators

- A number of the potential and recommended risk indicators are associated with **non-MCL violations**. The recommended indicators include:

  - Treatment Technique Violations
  - Operator Certification Violations
  - Monitoring and Reporting Violations

- Further consideration is being given to define what it means for a water system to **"consistently fail"** or be **"at-risk."**

- This may lead to an **expanded methodology** for how water systems are classified and prioritized for the SAFER Program.

Discussion Topic: What is Failure?

How should the State Water Board define "failing"?

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.
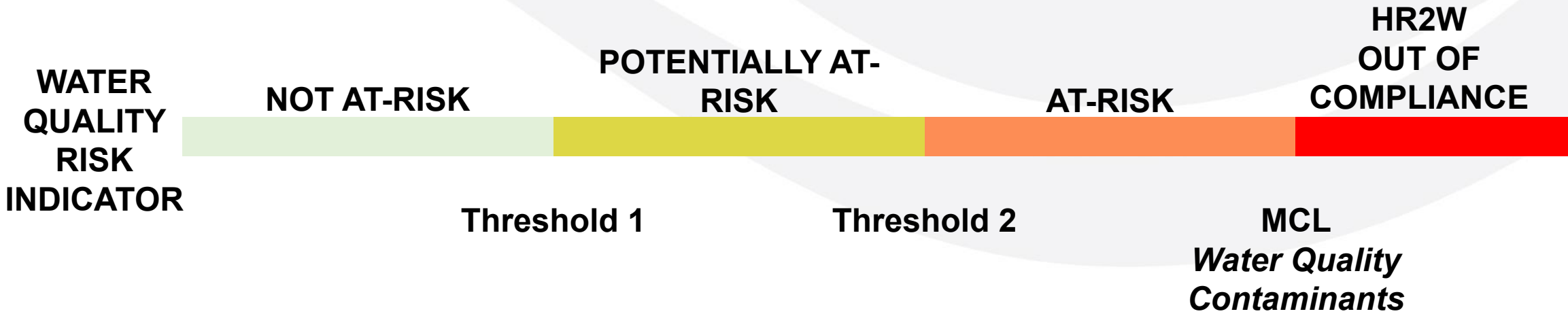
- Please wait for your name to be called.

- Public comments are 3 minutes each.

Immediate Next Steps

- Incorporate public feedback to finalize **Risk Assessment 2.0 Indicators.**

  - White Paper: https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

  - Submit feedback by **October 30th** to: SAFER@waterboards.ca.gov

  - Email Title: Public Water System Risk Assessment

- Conduct Phases 3 & 4 of Risk Assessment methodology development.

- Share thresholds, weighting, and scoring approaches with the public – December 14th webinar workshop.

- Finalize Risk Assessment methodology and conduct Needs Assessment for 2021-22 Fund Expenditure Plan.

Next Steps: Risk Assessment Development Phase 3 - Thresholds

TIERED THRESHOLDS WHERE POSSIBLE

WATER QUALITY RISK INDICATOR

NOT AT-RISK

POTENTIALLY AT-RISK

AT-RISK

HR2W OUT OF COMPLIANCE

Threshold 1

Threshold 2

MCL
Water Quality Contaminants

DISTINGUISH BETWEEN THRESHOLD TYPES

Legislative or regulatory defined	Supported by evidence-based studies	Commonly utilized by regulatory agencies	Recognized by sector experience

Next Steps: Risk Assessment Development Phase 4 - Weights

The application of weights to risk indicators and/or risk indicator categories allows the State Water Board to assess all the risk indicators together in a combined Risk Assessment score.

Same Weight

Different Weights

Individual risk indicators can have the same weight or different weights based on **comparative criticality**.

Same Weight

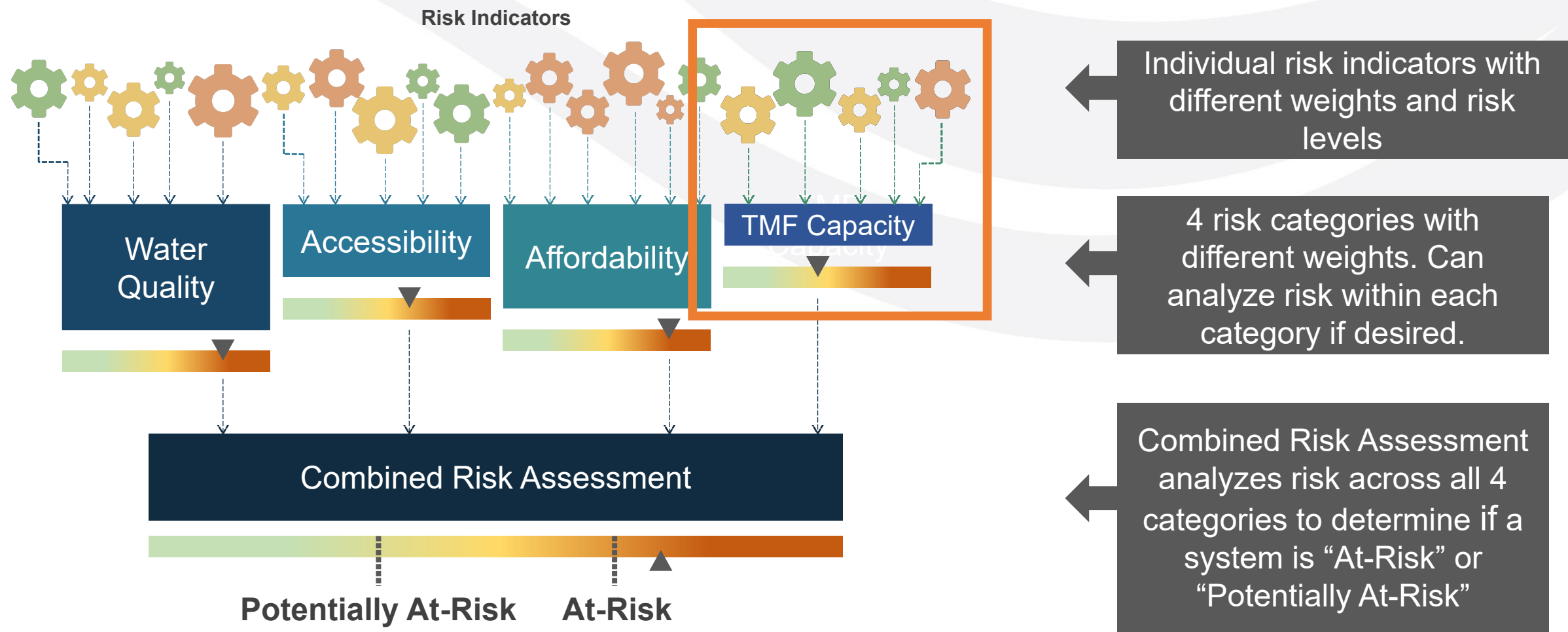| Water Quality | Accessibility | Affordability | TMF Capacity |

Different Weights

| Water Quality | Accessibility | Affordability | TMF Capacity |

Risk Indicators **categories** can have the same weight or different weights as well.

Illustration of Risk Assessment Weights

Risk Indicators

Water Quality

Accessibility

Affordability

TMF Capacity

Combined Risk Assessment

Potentially At-Risk   At-Risk

Individual risk indicators with different weights and risk levels

4 risk categories with different weights. Can analyze risk within each category if desired.

Combined Risk Assessment analyzes risk across all 4 categories to determine if a system is "At-Risk" or "Potentially At-Risk"

Audience Poll Question 5

Do you support different "weights" for **individual** risk indicators?

- Yes, I support different weights

- No, all risk indicators should have the same weight

- I need more time consider this question before I can provide feedback

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

Audience Poll Question 6

Do you support different "weights" for risk indicator **categories**?

- Yes, I support different weights

- No, all risk indicators should have the same weight

- I need more time consider this question before I can provide feedback

Access White Paper here:
https://www.waterboards.ca.gov/drinking_water/programs/safer_drinking_water/docs/e_p_i_recommendations_risk_assessment_2_public_water_systems.pdf

Provide a written response to poll questions at the link below by **October 30th**:

- **https://bit.ly/3nv7Q4x**

Discussion Topic: Weights and Scores

Do you have any recommendations on how the State Water Board should set weights and scores for individual risk indicators and/or risk indicator categories?

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.

Projected Risk Assessment 2.0 Timeline
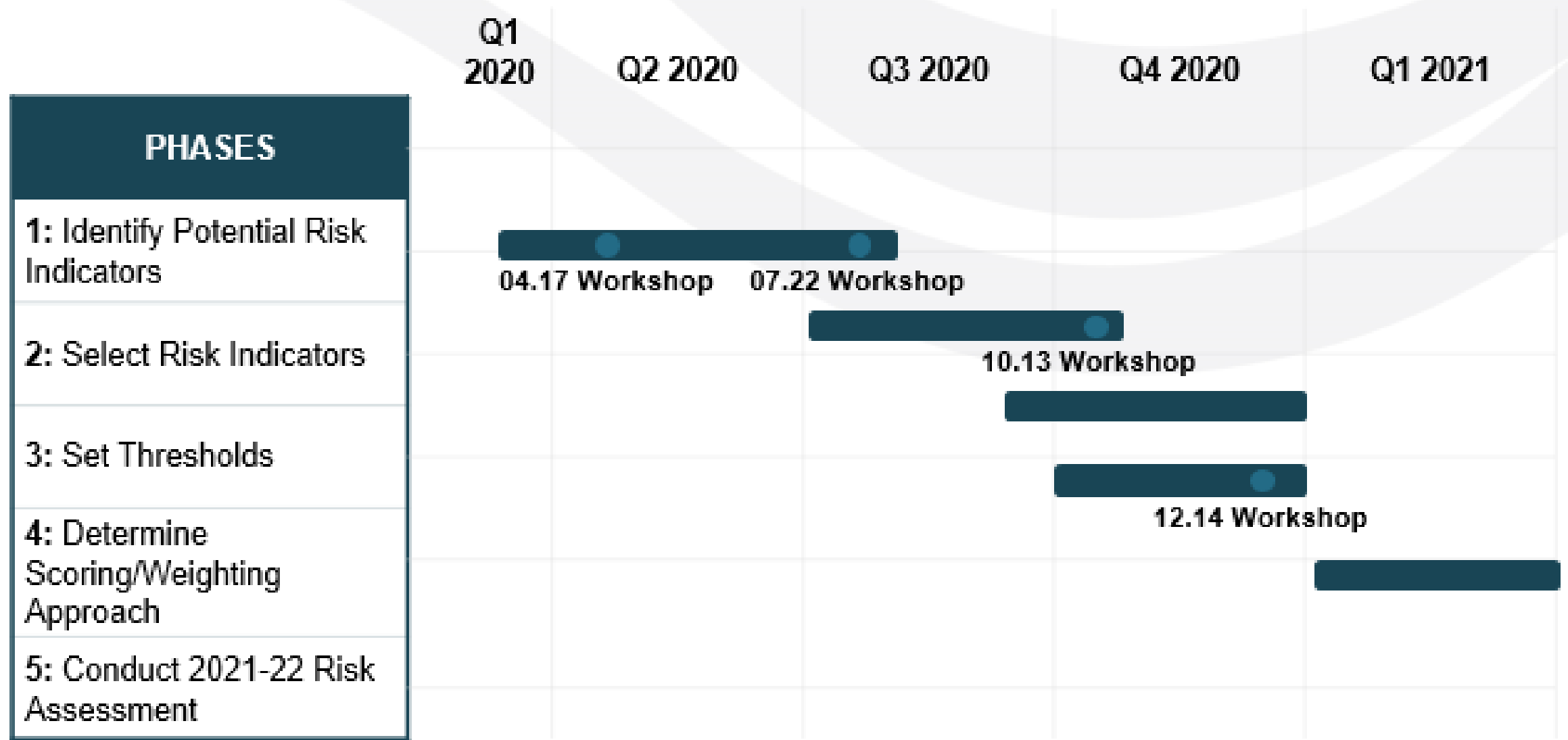
Proposed Needs Assessment Timeline

October: Water Rates Dashboard: 10.30 webinar demonstration of the tool developed by UNC Env. Finance Center.

November: Cost Assessment: 11.20 webinar on in-depth model methodology.

December: Risk Assessment: 12.14 webinar on threshold, weighting, and scoring approach.

January: Conduct Needs Assessment:
- Conduct **Risk Assessment.**
- Conduct **Costs Assessment.**
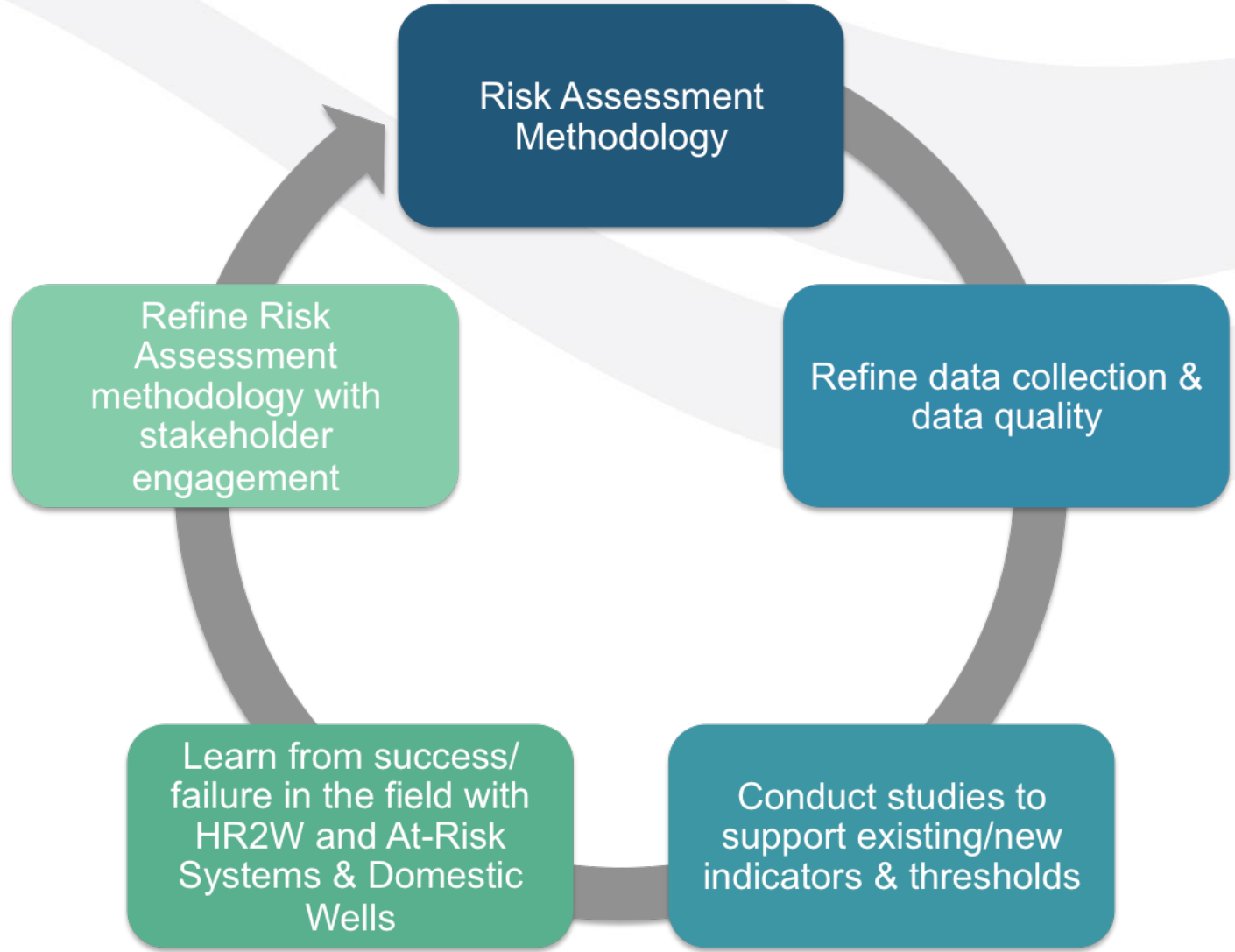- Conduct **Affordability Assessment.**

February
- **Needs Assessment** results delivered to DFA for Fund Expenditure Plan.
- **Cost Assessment**: 02.26 webinar highlighting draft results of potential costs.

March: Needs Assessment contract with UCLA concludes.

April: Draft **Fund Expenditure Plan** released for 30-day public comment.

June: Fund Expenditure Plan considered by Board for adoption.

Risk Assessment 3.0 + Vision for the Future

Risk Assessment Methodology

Refine data collection & data quality

Conduct studies to support existing/new indicators & thresholds

Learn from success/failure in the field with HR2W and At-Risk Systems & Domestic Wells

Refine Risk Assessment methodology with stakeholder engagement

Discussion Topic: Open Q&A

Do you have any questions or comments about the development of the Risk Assessment methodology?

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.

Next Steps and Announcements

SAFER Program Timeline

October 2020

- 8-14th-Ensuring Equitable Engagement in Water Management
- 13th-Risk Assessment Webinar
- 30th-UNC Pilot Financial Dashboard Presentation
- Release Administrator FAQ

December 2020

- 10th- Advisory Group Meeting
- 14th – Risk Assessment Webinar – Threshold & Scoring
- Administrator Public Meetings

November 2020

- 20th-Cost Assessment Webinar
- 30th-SAFER Advisory Group Member selection
- Release Administrator RFP
- Administrator Public Meetings

Early 2021

- POU/POE Pilot Workshop
- Administrator/ Consolidation Public Meetings

Closing Remarks & Gratitude

Thank you!

Questions or comments please contact us:

SAFER@waterboards.ca.gov