Language Interpretation through Zoom

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

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With subject “AGM Public Comment,” and follow instructions in return email to join the meeting.

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SAFER Drinking Water Advisory Group Meeting #2
June 9, 2022 | 9am-1pm
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
Introductions and Warmer

• Your name
• Your affiliation
• Your location
• What are you looking forward to most, post-pandemic?
Discussion Session #1:
2022 Drinking Water Needs Assessment Results
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
The Drinking Water Needs Assessment helps inform prioritization of SAFER resources: funding, technical assistance, consolidation outreach, administrators etc.

Senate Bill 200 (SB200) and the Needs Assessment

**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.
Access the Full 2022 Needs Assessment Report

• Learn more about the Needs Assessment here: bit.ly/SAFER-NA-2022
2021 Risk Assessment was applied to CWSs with 3,300 connects or less and k-12 public schools. Wholesalers were excluded.

2022 Risk Assessment will be applied to CWSs with up 30,000 service connections and 100,000 populations served and K-12 schools. Wholesalers are excluded, and military bases are excluded from the financial risk indicators. Aligned with expanded grant eligibilities for medium-size systems.
### 2022 Risk Indicator Changes

The State Water Board removed 5 risk indicators and added 8 new indicators.

<table>
<thead>
<tr>
<th>WATER QUALITY</th>
<th>ACCESSIBILITY</th>
<th>AFFORDABILITY</th>
<th>TMF CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Coli Presence</td>
<td>Number of Sources</td>
<td>% Median Household Income</td>
<td># of Service Connections</td>
</tr>
<tr>
<td>Increasing Presence of Water Quality Trends Towards MCL</td>
<td>Absence of Interties</td>
<td>Extreme Water Bill</td>
<td>Operator Certification Violations</td>
</tr>
<tr>
<td>Treatment Technique Violations</td>
<td>Water Source Types</td>
<td>% Shut-Offs</td>
<td>Monitoring and Reporting Violations</td>
</tr>
<tr>
<td>Past Presence on the HR2W List</td>
<td>DWR – Drought &amp; Water Shortage Risk Assessment Results</td>
<td>% of Residential Arrearages</td>
<td>Significant Deficiencies</td>
</tr>
<tr>
<td>Criticals Overdrafted Groundwater Basin</td>
<td>Critically Overdrafted Groundwater Basin</td>
<td>Residential Arrearage Burden</td>
<td>Extensive Treatment Installed</td>
</tr>
<tr>
<td>Constituents of Emerging Concern</td>
<td>Bottled or Hauled Water Reliance</td>
<td></td>
<td>Income</td>
</tr>
<tr>
<td>Percentage of Sources Exceeding an MCL</td>
<td>Source Capacity Violations</td>
<td></td>
<td>Operating Ratio</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Days Cash on Hand</td>
</tr>
</tbody>
</table>
Risk Assessment Results (n=3,066)

- Failing: HR2W: 346
- At-Risk: 508
- Potentially At-Risk: 453
- Not At-Risk: 1,759
Explore the Results in the NEW Dashboard

bit.ly/SAFER-Dashboard
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
Explore the Data: Combined Risk Assessment Map

Explore the Map:  bit.ly/SAFER-RiskMap

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.
Most Vulnerable Domestic Wells

92,635 AT-RISK WELLS

90,974 AT-RISK WELLS

MOST VULNERABLE AT-RISK FOR BOTH

The State Water Board is working with Office of Environmental Health Hazard Assessment (OEHHA) and the Department of Water Resources to develop a combined Risk Assessment for 2023 utilizing:

• State Water Board’s Aquifer Risk Map; and
• Department of Water Resources: Drought Risk Vulnerability Tool
• OEHHA: Newly developed socio-economic risk indicators (workshops coming soon in Spring 2022)
Drought Infrastructure Cost Assessment

In response to stakeholder feedback and the need to support SB 552 planning, the State Water Board has conducted a targeted Drought Infrastructure 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 (excluded from Assessment)
Estimated Number of Systems Not Meeting SB 552 Requirements

Breakdown by SAFER Status included in the Needs Assessment Report.

- Source Backup Generator: 1,556 (K-12 Schools: 317, Small Water Systems: 1,239)
- Meter Service Connections: 1,041 (K-12 Schools: 232, Small Water Systems: 809)
- Monitor Static Well Level: 932 (K-12 Schools: 281, Small Water Systems: 651)
- Backup Source (Well or Intertie): 886 (K-12 Schools: 303, Small Water Systems: 583)
## Drought Infrastructure Cost Assessment Results

<table>
<thead>
<tr>
<th>Drought Requirement</th>
<th># Small CWS and K-12 Schools</th>
<th>Total Small CWS and K-12 Schools Cost Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitor Static Well Levels</td>
<td>1,213 (46%)</td>
<td>$2,450,000</td>
</tr>
<tr>
<td>Membership CalWARN / Mutual Aid</td>
<td>2,634 (100%)</td>
<td>$0</td>
</tr>
<tr>
<td>Backup electrical supply</td>
<td>1,872 (71%)</td>
<td>$244,940,000</td>
</tr>
<tr>
<td>Back-up source: new well or intertie</td>
<td>895 (34%)</td>
<td>$1,911,590,000</td>
</tr>
<tr>
<td>Meter all service connections</td>
<td>1,275 (48%)</td>
<td>$245,330,000</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>2,634</strong></td>
<td><strong>$2,404,320,000</strong></td>
</tr>
</tbody>
</table>

Explore the data utilized to identify CWSs not meeting SB 552 requirements: [bit.ly/SAFER-CostList](bit.ly/SAFER-CostList)
## Affordability Assessment

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

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2022</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>% Median Household Income</td>
<td>% Median Household Income</td>
<td>% Shut-Offs: removed because there was a shut-off moratorium during the COVID-19 pandemic from March 2020 – January 2022. No data available.</td>
</tr>
<tr>
<td></td>
<td>Extreme Water Bill</td>
<td>Extreme Water Bill</td>
<td></td>
</tr>
<tr>
<td>% Shut-Offs</td>
<td></td>
<td>% Shut-Offs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>% of Residential Arrearages</td>
<td>Residential Arrearage Burden</td>
<td>Arrearage Data: new indicators utilizing 2021 Drinking Water Arrearage Payment Program data. One-time data use from funding program to supplement % Shut-Off data.</td>
</tr>
</tbody>
</table>
Affordability Assessment Results by DAC/SDAC SAFER Status

**High**: 3 or more indicator thresholds  
**Medium**: 2 of 4 indicator thresholds met  
**Low**: 1 of 4 indicator thresholds met

<table>
<thead>
<tr>
<th>Community Status</th>
<th>Total Systems</th>
<th>High Affordability Burden</th>
<th>Medium Affordability Burden</th>
<th>Low Affordability Burden</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR2W DAC/SDAC</td>
<td>184</td>
<td>19 (10%)</td>
<td>34 (18%)</td>
<td>48 (26%)</td>
</tr>
<tr>
<td>At-Risk DAC/SDAC</td>
<td>276</td>
<td>32 (12%)</td>
<td>46 (17%)</td>
<td>55 (20%)</td>
</tr>
<tr>
<td>Potentially At-Risk DAC/SDAC</td>
<td>234</td>
<td>8 (3%)</td>
<td>36 (15%)</td>
<td>59 (25%)</td>
</tr>
<tr>
<td>Not At-Risk DAC/SDAC</td>
<td>714</td>
<td>10 (1%)</td>
<td>59 (8%)</td>
<td>149 (21%)</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>1,408</strong></td>
<td><strong>69 (5%)</strong></td>
<td><strong>175 (12%)</strong></td>
<td><strong>311 (22%)</strong></td>
</tr>
</tbody>
</table>
The State Water Board is working with OEHHA to develop new affordability indicators and a combined affordability threshold.

Workshops coming soon in Spring 2022.
Questions?

Comment or technical assistance, email safer@waterboards.ca.gov
BREAK
Discussion Session #2: Safe and Affordable Drinking Water Fund Expenditure Plan
<table>
<thead>
<tr>
<th>Priority</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency funding needs</td>
<td></td>
</tr>
<tr>
<td>Water systems that are consistently out of compliance with primary</td>
<td>drinking water standards</td>
</tr>
<tr>
<td>Accelerate consolidations and regional-scale planning for consolidations</td>
<td></td>
</tr>
<tr>
<td>Expedite planning through use of technical assistance</td>
<td></td>
</tr>
<tr>
<td>Interim solutions and planning for long-term solutions for state</td>
<td>smalls and domestic wells</td>
</tr>
<tr>
<td>Ensure assistance is distributed consistent with the State Water</td>
<td>Board’s Racial Equity Resolution.</td>
</tr>
</tbody>
</table>
FY 2021-22 Available Funds for the SAFER Program

- **SADW Fund**: $127.7 M
- **Drought (General Fund)**: $9.5 M
- **PFAS (General Fund)**: $28.5 M
- **Other General Fund**: $25.3 M
- **Capital Funding**
  - **DWSRF Principal Forgiveness**: $95.7 M
  - **Drinking Water Bonds**: $239.5 M
  - **Drinking Water Infrastructure**: $617.5 M
- **Capital & Non-Capital**

Total: $1.2 billion
<table>
<thead>
<tr>
<th>Water Systems</th>
<th>Households</th>
<th>No. of Connections Benefiting</th>
<th>No. of People Benefiting</th>
<th>Total Assistance Provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interim Assistance</td>
<td>34</td>
<td>907</td>
<td>6,433</td>
<td>$1.48M</td>
</tr>
<tr>
<td>TA Projects</td>
<td>74 (23 full planning)</td>
<td>25,746</td>
<td>97,434</td>
<td>$2.1M</td>
</tr>
<tr>
<td>Planning Projects</td>
<td>7</td>
<td>115,116</td>
<td>318,035</td>
<td>$3.2M</td>
</tr>
<tr>
<td>Construction Projects</td>
<td>26</td>
<td>32,051</td>
<td>56,293</td>
<td>$75.8M</td>
</tr>
</tbody>
</table>
SAFER Highlights FY 2021-22

- Amended the FY 2021-22 Drinking Water State Revolving Fund Intended Use Plan to provide more generous grant opportunities and streamline processing
- All 2021-22 drought funds ($16 M) committed to projects
- Opened Countywide and Regional Program solicitation to help state smalls and domestic wells with drought and water quality needs
- Executed Master Administrator Agreement with Provost and Prichard
- Awarding initial/pilot Operations and Maintenance funding
- Implemented new TA Request for Qualifications Process
- Identifying Funding Partners to enhance outreach/engagement
- Developing approach for PFAS General Fund allocation ($100 M)
- Additional program data and metrics being compiled for incorporation into the FY 2022-23 FEP and publication on the web
<table>
<thead>
<tr>
<th>Water System Category</th>
<th>Solution Type</th>
<th>Interim Water Supplies and Emergencies</th>
<th>Technical Assistance (includes Planning)</th>
<th>Administrator</th>
<th>Planning</th>
<th>Direct O&amp;M Support</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems Out of Compliance or At-Risk</td>
<td>$2.1/($10)</td>
<td>$46.5/($40)</td>
<td>$0/ ($5)</td>
<td>$0/ ($3)</td>
<td>$0.2/($7)</td>
<td>$0.3/($15)</td>
<td></td>
</tr>
<tr>
<td>Other Systems</td>
<td>$0.7</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0.5</td>
<td></td>
</tr>
<tr>
<td>State Smalls/ Domestic Wells</td>
<td>$13.4/($30.3)</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0.5/($5)</td>
<td></td>
</tr>
<tr>
<td>Reserved</td>
<td>$33.2</td>
<td>$13.2</td>
<td>$0</td>
<td>$0</td>
<td>$2</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL BY SOLUTION TYPE</strong></td>
<td><strong>$49.3/($40.3)</strong></td>
<td><strong>$59.7/($40)</strong></td>
<td><strong>$0/($5)</strong></td>
<td><strong>$0/($3)</strong></td>
<td><strong>$2.2/($7)</strong></td>
<td><strong>$1.3/($20)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$112.5/($115.3)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Program Needs (Reserved)</td>
<td>Pilot Projects</td>
<td>Contracts</td>
<td>Staff Costs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$3.2/ ($0)</td>
<td>$1.5/ ($1.5)</td>
<td>$13.2/ ($13.2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>$130.4</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Key Draft Concepts for SADW FEP FY 2022-23
(Under Consideration/Development)

- Allocate funds specifically for Tribal TA
- Continued emphasis on regional planning
- Allocate funds to support new TA providers
- Approaches to implement Senate Bill 552 (Drought Planning and Preparedness)
- More emphasis on O&M funding and options to streamline broader application
- More robust metrics
Timeline for FY 2022-23 SADW FEP Adoption

- Jun/Jul 2022: Internal reviews
- Aug 2022: Draft for public comment
  - Board Workshop
  - Discuss with Advisory Group
- Sep/Oct 2022: Response to comments
- Nov 2022: Board consideration
Questions?

Comment or technical assistance, email safer@waterboards.ca.gov
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.
BREAK
SAFER Program Updates
Budget Act of 2021 Allocation: Per- and Polyfluoroalkyl Substances (PFAS)
## Budget Act of 2021 – State Water Board Allocations

<table>
<thead>
<tr>
<th>Allocation (Millions)</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>$650</td>
<td>Wastewater projects *priority to septic-to-sewer conversions</td>
</tr>
<tr>
<td>$650</td>
<td>Drinking water projects *priority to disadvantaged communities (DACs)</td>
</tr>
<tr>
<td>$100</td>
<td>Per-and polyfluoroalkyl substances (PFAS) support for water systems</td>
</tr>
<tr>
<td>$350</td>
<td>Groundwater cleanup and water recycling projects</td>
</tr>
<tr>
<td>$20</td>
<td>Mexico border rivers</td>
</tr>
<tr>
<td>$</td>
<td>Other project-specific/directed allocations</td>
</tr>
</tbody>
</table>
Funding Background

• Senate Bill 170 appropriated $30M from General Fund to State Water Board for technical and financial assistance to drinking water systems to address PFAS.
  o Must be committed to projects by June 30, 2024
  o Must be disbursed by June 30, 2026

• Additional $50M proposed for fiscal year (FY) 2022/2023

• Additional $20M proposed for FY 2023/2024
Funding Background cont.

- Existing Division of Financial Assistance funding processes will be used to administer this PFAS funding.

- Relevant existing programs/processes:
  - Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP)
  - Safe and Affordable Drinking Water (SADW) Fund Expenditure Plan (FEP)
Relevant Existing Small DAC Support

The SADW FEP prioritizes funding for small DACs and discusses funding opportunities for:

- Collection and analysis of water samples for contaminants of emerging concern, including PFAS.
- Planning and Technical Assistance to address contaminants of emerging concern.
- Pilot or demonstration studies.
Proposed Small DAC PFAS Support

• Minimum $20M for projects benefitting small DACs, funded consistent with SADW FEP.

• Proposed project types:
  o Testing water systems for PFAS, likely via a Technical Assistance Provider
  o Regional-scale pilot tests and demonstration projects
    ▪ Template designs for other small systems to utilize
  o Planning for regional consolidation efforts
Proposed Support for Other Communities

• Implementation funding for ready to proceed projects.
• Apply through DWSRF Program.
• Small non-DACs and medium DACs eligible for 100% of eligible project costs.
• For other communities (medium non-DACs, all larger communities) funding limited to 50% of project costs.
• As condition of PFAS funding, water systems to incorporate data collection and analysis to inform statewide PFAS data.
• Considering a per water system funding maximum
Related Federal Funding

• New federal funding through DWSRF and CWSRF for contaminants of emerging concern, including PFAS.
  o Anticipated over next five years:
    ▪ $360M for drinking water
    ▪ $70M for wastewater

• Funding priorities and requirements to be addressed in 2022/23 DWSRF and Clean Water State Revolving Fund (CWSRF) IUPs
  o Planned for Board consideration July 2022
State Funding for PFAS ($100 M)

Next Steps:

• **Summer 2022**: Draft Final proposals to be released as part of DWSRF IUP and SADW FEP

• **Fall 2022**: Adoption funding criteria as part of adoption of the above-described plans

Stay Informed:

• Subscribe for e-updates:

  - Click on “Financial Assistance”
    - Select “Per- and Polyfluoroalkyl Substances (PFAS) Funding”

• Check for updates on the PFAS Funding website: [bit.ly/PFASWebsite](http://bit.ly/PFASWebsite)
Questions?

Comment or technical assistance, email safer@waterboards.ca.gov
<table>
<thead>
<tr>
<th>April - June</th>
<th>July - September</th>
<th>October - December</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/9 Advisory Group Mtg #2</td>
<td>7/5 - 8/31 Advisory Group Application Period</td>
<td>10/TBD Tribal Workshop</td>
</tr>
<tr>
<td>6/TBD Tribal Workshop</td>
<td>8/5 Release of Draft FEP</td>
<td>11/TBD Board Considers Adoption of FEP</td>
</tr>
<tr>
<td>6/TBD Select Funding Partners</td>
<td>8/TBD Advisory Group Application Workshop</td>
<td>11/TBD Advisory Group Mtg #4</td>
</tr>
<tr>
<td></td>
<td>8/TBD Release of POU Pilot white paper</td>
<td>12/TBD Advisory Group Members Selected</td>
</tr>
</tbody>
</table>
Advisory Group Member Announcements
Closing Remarks and Next Steps
Adjourn

Thank you!

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