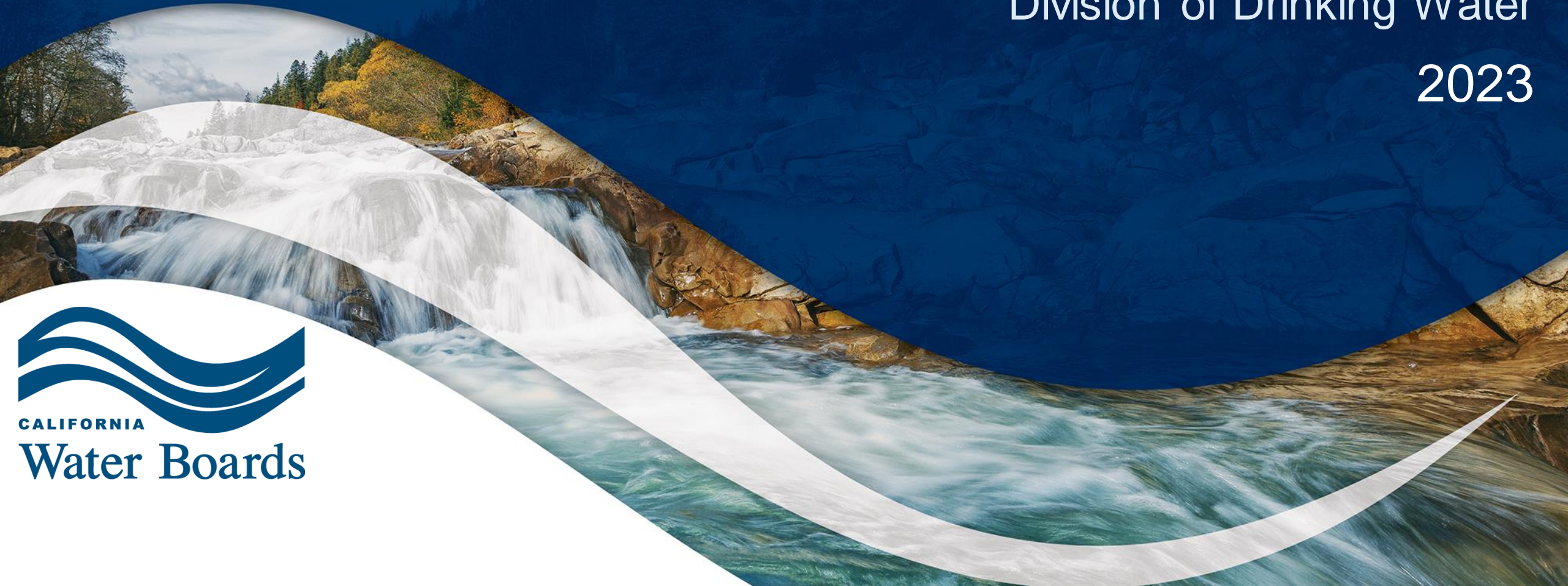


Drinking Water Systems Drought & Conservation Reporting

Division of Drinking Water

2023



SB 552 (2021) – Expanded Drought Reporting

- Requires small water systems and schools to enhance their drought planning.
- Includes **reporting requirements**:
 - Inventory and assessment of sources.
 - Source delivery data such as flow rate and total volume available.
 - Monthly total demand, average and peak flowrate demand.
- Requires, by 1/1/2023, subject to funding availability, the implementation of monitoring systems sufficient to detect **production well groundwater levels**.

SB 552 & Beyond: Drought Data Needs

- State needs to know how much **water** is being **extracted** and **delivered** more frequently.
- State wants to better identify communities that may experience a **drought emergency BEFORE it occurs** – target technical assistance and emergency resources.
- State needs to **ensure compliance** with water rights curtailment, conservation orders, and regs.
- **Problem:** Lots of **duplicative reporting** of data at different scales and time intervals.

Drought Reporting Authorities (1/3)

The State Water Board has issued a Drought & Conservation Technical Reporting Order (January 2023): <https://www.waterboards.ca.gov/drought/resources-for-drinking-water-systems/docs/2023-drought-technical-order-ddw-hq-drought2023-001.pdf>

California Health and Safety Codes Section 116530:

(a) A public water system shall submit a technical report to the state board as part of the permit application or when otherwise required by the state board. This report may include, but not be limited to, detailed plans and specifications, water quality information, physical descriptions of the existing or proposed system, information related to technical, managerial, and financial capacity and sustainability, and information related to achieving the goals of Section 106.3 of the Water Code, including affordability and accessibility.

(b) A public water system shall submit the report in the form and format and at intervals specified by the state board.

Drought Reporting Authorities (2/3)

California Water Code 10609.61: A small water supplier and a nontransient noncommunity water system that is a school shall each report annually water supply condition information to the state board through the state board's Electronic Annual Reporting (EAR) System or other reporting tool, as directed by the state board. Water supply condition information includes, but is not limited to, both of the following:

- (a) An inventory and assessment of each water supply source, including its available status and if any further investments or treatment are required for its utilization, any lead time required for its utilization, and its delivery parameters such as flow rate and total volume available.
- (b) The reporting year's total water demand volume for each month, and average and peak flowrate demand for each month and annually.

Section 991 of title 23 of the California Code of Regulations: Urban water supplies must submit water production, usage, and other information to the State Water Board, and, during drought emergencies, must submit water contingency plan response actions and other specified additional information.

Drought Reporting Authorities (3/3)

Section 64554 of title 22 of the California Code of Regulations: Public water systems are required at all times to have source capacity available to meet their maximum day demand, to determine the capacity of their groundwater sources, and to report certain capacity data to the State Water Board.

Section 64561 of title 22 of the California Code of Regulations: Requires public water systems to install a flow meter at a location between each active water source and the entry point to the distribution system, meter the quantity of water flow from each source, and record the total monthly production each month.

7

Known Issues

- Outdated and cumbersome reporting platforms.
- Lack of flexibility with reporting frequencies and deadlines.
- Difficulty with editing and revising previously submitted data.
- Challenges accessing and extracting data submitted.
- Coordination amongst State Water Board Divisions and other State agencies lacking.

EXAMPLE: Duplicative Production Reporting Within & Across Agencies

State Water Board

Annual Reporting (electronic)

All CWSs System Total Prod/Delivery by Month Annual

Urban Retail Water Supplier Cons. Reporting (electronic)

Urban Retail Water Suppliers **AGGREGATED** System Total Prod/Delivery Monthly

DDW Drought Order Reporting (electronic)

Hand Selected Systems (300) System Prod. by **Source** Monthly / Weekly

DDW 552 Reporting (electronic)

CWS (2,999 – 15 sc) & Schools System Prod. by **Source** Quarterly

More...

CA Public Utilities Commission

Annual Reporting (**PDF**)

CPUC Regulated Systems System Prod. by **Source** Annual

Department of Water Resources

Annual Supply/Demand Assessment

Urban Water Suppliers **Aggregated** Annual

GSP/Alternative Annual Report (electronic)

Production across the basin **Aggregated** at the Basin level Annual (for the previous water year)

Adjudicated Area Annual Report (electronic)

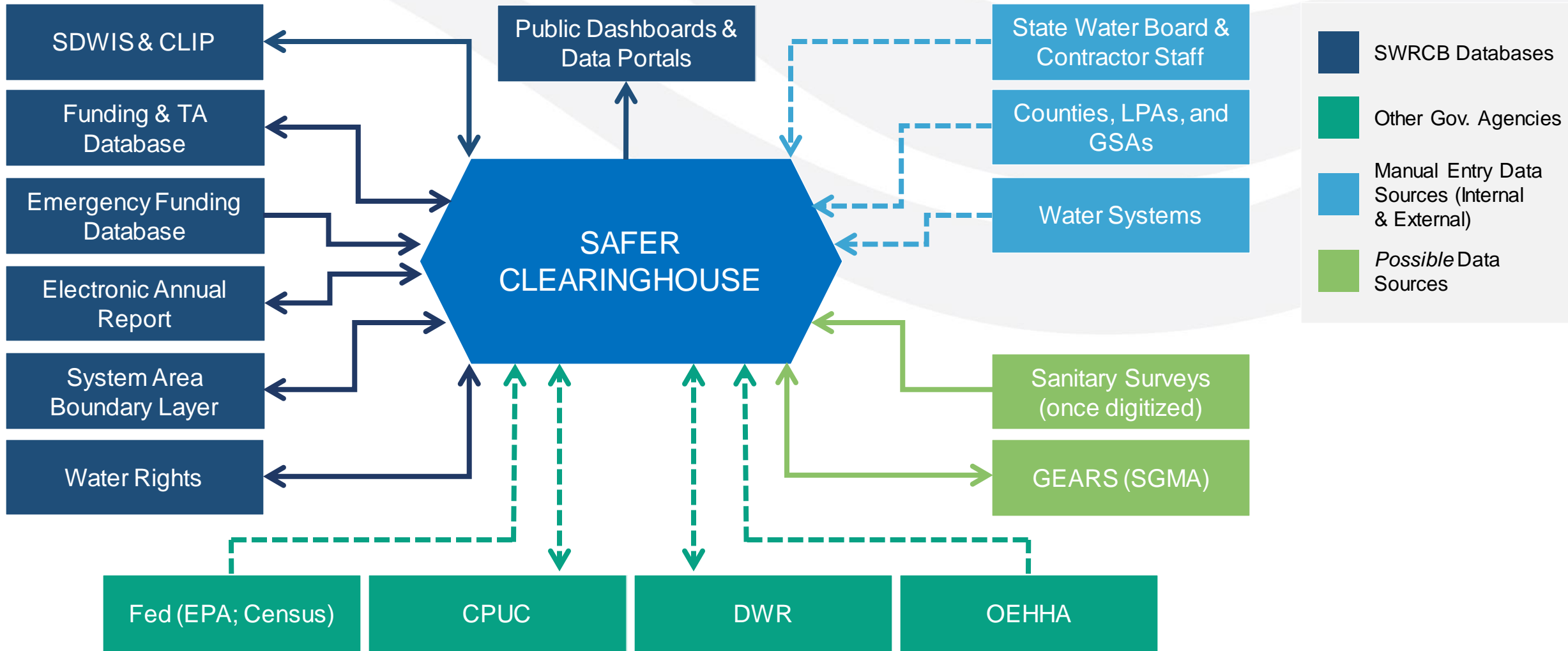
Production across the basin **Aggregated** at the Basin level Annual (for the previous water year)

Urban Water Plans

Urban Water Suppliers **Aggregated** 5-Year

More...

Path Forward: The Vision



SAFER Clearinghouse – Drought Data Reporting

Who will be reporting (January 1, 2023):

Who	Report Periods	Report Due Dates
All community water systems and non-community schools (~3,200 systems Jan. 1)	Monthly	Quarterly deadlines for monthly reports
Monthly Drought Order systems (270 systems currently)	Monthly	Monthly (7th day of the following month)
Weekly Drought Order systems (2 currently)	Weekly	Weekly
Coming Soon: Aggregated reporting for Urban Retail Water Suppliers*	Monthly	Monthly (end of the following month)

*These systems will continue to comply with monthly Conservation Reporting to State Water Board in the meantime via DRINC Portal.

Monthly reports are visible, but NOT editable, until the end of the Month. Then you can complete the report and submit.

Urban Retail Water Systems

- Drought and Conservation Reporting in the Clearinghouse is mandatory. Currently duplicative to reporting done through DRINC Portal.
- State Water Board is developing an aggregated Drought and Conservation Reporting module for the Clearinghouse – should be available by Spring/Summer. This will replace DRINC Reporting.
- Clearinghouse reporting will satisfy annual reporting requirements for Supply and Demand of individual PWSIDs that would typically be reported in the 2023 EAR.

SAFER Clearinghouse – Monthly Drought & Conservation Data Collected

WATER SHORTAGE

Is your water system experiencing an **emergency**?

Is the expected an emergency happening soon?

What stage are you in with your **Water Shortage Contingency Plan**?

SOURCE REPORTING

Production by each Source (wells, surface water etc.)

Source capacity indicators

Are you relying on **hailed water**?

*Many of the fields listed here can be marked as Not Available and your report can still be partially submitted to meet reporting requirements.

SUPPLY & DEMAND

Potable supply and demand broken down by different residential & non-residential customers

Non-Potable supply and demand broken down by different residential & non-residential customers

Recycled water supply and demand

Bottled water reliance

*Some fields not required for systems without meters. Some fields can be marked as Preliminary Estimate and still be partially submitted to meet reporting requirements

DROUGHT RESPONSE*

Supply augmentation activities

Demand reduction activities

*Only for systems experiencing a drought emergency or at-risk. Urban Retail Water Supplier (*coming soon*)

SAFER Clearinghouse

Access Here: <https://drought.waterboards.ca.gov/>

Don't Have an Account?

- Create an Account Here: <https://public3.waterboards.ca.gov/safer/register-login>
- You should be selecting **“Water System”** from the Account Type menu.

Do NOT select City Regulator or County Regulator for water system reporting

The screenshot shows a registration form with the following fields and annotations:

- Account User Type**: A dropdown menu with "Water System" selected. A red box highlights this field.
- First Name ***, **Last Name ***, **County ***: Text input fields.
- Job Title ***, **Organization ***: Text input fields.
- Address 1 ***, **Address 2**: Text input fields. An orange callout box points to these fields with the text: "Make sure you don't have extra spaces in your address fields".
- State (Ex: CA) ***, **Zip Code ***: Text input fields.
- Work Email ***, **Confirm Work Email ***: Text input fields.
- Cell Phone (###-###-####)**: Text input field.
- Ext**: Text input field.
- ASSOCIATED WATER SYSTEM(S)**: A section with the question "Are you associated with a public or private entity that owns or has a controlling interest in one or more public water systems (may include wholesalers)?" and radio buttons for "Yes" and "No".
- Account Linked Water Systems***: A text input field with a red box around it and a help icon. An orange callout box points to it with the text: "You can select multiple water systems".

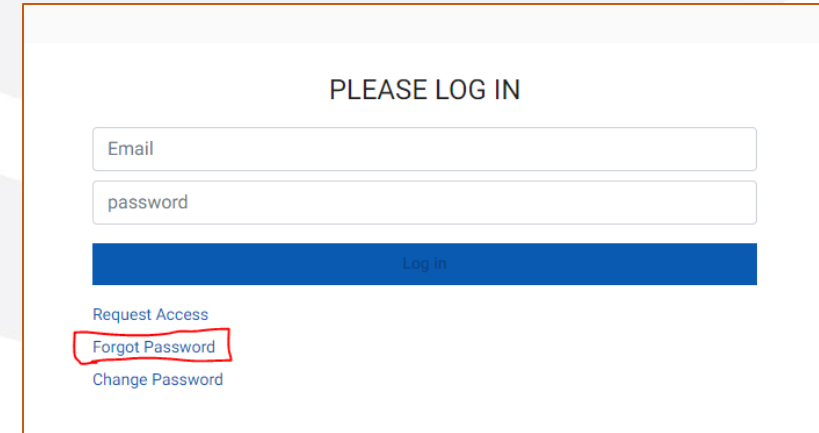
Make sure you don't have extra spaces in your address fields

You can select multiple water systems

Controlling Entity systems can be added in bulk

Account Creation

1. Complete request form in Clearinghouse (previous slide)
2. Verify your email address (you should receive an email).
 - If your verification email expires, you should return to the Clearinghouse log-in page and select “Forgot Password” to receive another verification email.
3. After you verify, your request is submitted to Clearinghouse Admin.
4. Clearinghouse Admin. will review your request and approve. If your email is not in our database, it may take a few days for Admin. to approve request.



PLEASE LOG IN

Email

password

Log in

[Request Access](#)

[Forgot Password](#)

[Change Password](#)

SANTA CRUZ WATER DEPARTMENT : CA4410010

User Guide | Training Video

- WATER SHORTAGE**
- SOURCE REPORTING
- SUPPLY & DEMAND
- SUPPLY AUGMENTATION
- DEMAND REDUCTION
- REVIEW & SUBMIT

WATER SHORTAGE

Reported By: Kristyn Abhold

	PREVIOUS REPORTING PERIOD	CURRENT REPORTING PERIOD 09/01/2022 – 09/30/2022	No Change
<p>Experiencing a severe water shortage:* A water shortage can be described as an inability of a water system to meet with the demand of the system. This can be documented by a loss of pressure (less than 5 psi), inadequate supply to customers, or some other threat to health and safety such as the reliance on hauled, bottled, or contaminated water to meet system demand.</p>	<div style="background-color: #8B4513; color: white; padding: 10px; text-align: center;"> <p>System can auto-fill previous report's data if "no change"</p> </div>	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="checkbox"/>
<p>Estimated date of when a severe water shortage may begin: * (?)</p>		<input type="text" value=""/>	<input type="checkbox"/>
<p>Do you have a Water Shortage Contingency Plan (or Drought Planning Elements)?: * (?)</p>		<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/>
<p>Website link to Water Shortage Contingency Plan: * (?)</p>		<input type="text" value=""/>	<input type="checkbox"/>
<p>Upload Water Shortage Contingency Plan: *</p>		<div style="border: 1px solid #ccc; padding: 5px; text-align: center; background-color: #f0f0f0;">Choose a file</div> <p>FINAL 2022 Capacity Development CapDev Strategy.docx</p> <input type="checkbox"/> Not Available	<input type="checkbox"/>
<p>Adoption date of Plan: * (?)</p>		<input type="text" value="11/01/2022"/>	<input type="checkbox"/>
<p>What equivalent level percent source reduction of your Water Shortage Contingency Plan have you invoked?: * (?)</p>	<input type="text" value="10-19% Reduction (Shortage Level 2)"/>	<input type="checkbox"/>	

COMMENTS

Source Reporting Batch-Upload w/ Data Validation Check

- WATER SHORTAGE
- SOURCE REPORTING
- SUPPLY & DEMAND
- SUPPLY AUGMENTATION
- DEMAND REDUCTION
- REVIEW & SUBMIT

SOURCE REPORTING

[Batch-Upload](#) [Download Template](#)

SOURCE REPORTING

REPORTING PERIOD
09/01/2022 - 09/30/2022

Reported By: William Allen

GROUNDWATER & GWUDI

- BELTZ WELL 08 - RAW
- BELTZ WELL 09 - RAW
- BELTZ WELL 10 - RAW
- BELTZ WELL 12 - RAW
- TAIT ST WELL 1B - SURFACE INFLUENCE- RAW
- TAIT ST WELL 3B - SURFACE INFLUENCE - RA
- TAIT WELL 04 - SURFACE INFLUENCE - RAW







SOURCE INFORMATION

Facility Name:	BELTZ WELL 08 - RAW	Well Construction Date:	
Facility ID:	024	Well Depth (feet below ground surface):	
Facility Type:	Well	Fractured Hard Rock Well:	
Water Type:	Groundwater	Water Rights ID:	
Latitude:	36.966869	Well Completion Report Number:	
Longitude:	-121.968279	Well Completion Report:	
Facility Availability:	Permanent	Department of Water Resources Site Code Identification Number:	
Activity Status:	Active		

SOURCE ACTIVITY

Did you utilize this source during the reporting period?: * 

WATER LEVEL

Static Water Level (feet below ground surface): * 	<input type="text" value="5"/>	Date Measured: * 	<input type="text" value="09/01/2022"/>	<input type="checkbox"/> Not Available
Pumping Water Level (feet below ground surface): * 	<input type="text" value="5"/>	Date Measured: * 	<input type="text" value="09/01/2022"/>	<input type="checkbox"/> Not Available
Pump Depth (feet below ground surface): * 	<input type="text" value="5"/>	Date Measured: * 	<input type="text" value="09/01/2022"/>	<input type="checkbox"/> Not Available

SURFACE WATER

- LAGUNA DIVERSION - RAW
- LOCH LOMOND RESERVOIR - RAW
- MAJORS DIVERSION
- SLR - FELTON DIV - RAW
- SLR - TAIT ST DIV - RAW

SPRING WATER

- LIDDELL SPRING - SURFACE INFLUENCE - RAW

CONSECUTIVE CONNECTIONS

- INTERTIE - SOQUEL CREEK WD

HAULED WATER [Add New](#)

- Kristyn's Hauler 1

WATER SHORTAGE
 SOURCE REPORTING
 SUPPLY & DEMAND
 SUPPLY AUGMENTATION
 DEMAND REDUCTION
 REVIEW & SUBMIT

SUPPLY & DEMAND

- ABOUT
- POTABLE SUPPLY**
- POTABLE DEMAND
- NON-POTABLE SUPPLY
- NON-POTABLE DEMAND
- TOTAL REPORT SUMMARY
- TOTAL ANNUAL SUMMARY

REPORTING PERIOD
09/01/2022 - 09/30/2022

Source data auto-fills Potable Supply tables = ensures data consistency

Reported By: Eric Zuniga

POTABLE SUPPLY

The information below is pre-filled using the individual source production data provided in the "Source Reporting" section of this report.

Please select the appropriate unit of measure for the volumes reported in the fields below. * Gallons (G) ▼

POTABLE SELF-PRODUCED

Groundwater Production ?	GWUDI Production ?	Surface Water Production ?	Spring Production ?	TOTAL Potable Self-Produced ?	Preliminary Estimate? ?
20	15	25	5	65	<input type="radio"/> Yes <input checked="" type="radio"/> No

POTABLE EXTERNALLY-SOURCED

Consecutive Connection ?	Consecutive Connection Obtained From (Water Systems Only) ?	Hauled Water Purchased/Received ?	Hauled Water Purchased From (Water Systems Only) ?	Bottled Water Reliance ?	TOTAL Potable Externally-Sourced ?	Preliminary Estimate? ?
5	CA4410002 - SLVWD - FELTON WATER SYSTEM; CA4410017 - SOQUEL CREEK WATER DISTRICT	0	CA0105010 - EBRPD - DEL VALLE REGIONAL PARK	<input type="radio"/> Yes <input checked="" type="radio"/> No	5	<input type="radio"/> Yes <input checked="" type="radio"/> No

TOTAL POTABLE SUPPLY

TOTAL Potable Supply ?	Preliminary Estimate? ?
70	<input type="radio"/> Yes <input checked="" type="radio"/> No

POTABLE SUPPLY COMMENTS

- WATER SHORTAGE
- SOURCE REPORTING
- SUPPLY & DEMAND**
- SUPPLY AUGMENTATION
- DEMAND REDUCTION
- REVIEW & SUBMIT

SUPPLY & DEMAND

- ABOUT
- POTABLE SUPPLY
- POTABLE DEMAND
- NON-POTABLE SUPPLY**
- NON-POTABLE DEMAND
- TOTAL REPORT SUMMARY
- TOTAL ANNUAL SUMMARY

REPORTING PERIOD
09/01/2022 - 09/30/2022

Collecting more data on Recycled Water

Reported By: Eric Zuniga

NON-POTABLE SUPPLY

Please select the appropriate unit of measure for the volumes reported in the fields below.* Million Gallons (MG) ▾

NON-POTABLE SELF-PRODUCED SUPPLY

Recycled Water Self-Produced [?]	Non-Potable Water Produced (not recycled; i.e., agriculture well) [?]	TOTAL Non-Potable Water Self-Produced [?]	Preliminary Estimate? [?]
1	2	3	<input type="radio"/> Yes <input checked="" type="radio"/> No

NON-POTABLE SUPPLY EXTERNALLY-SOURCED

Recycled Water Obtained [?]	Recycled Water Obtained From (Water System Number Only) [?]	Obtained Non-Potable Hauled Water [?]	Other Non-Potable Water Obtained From Another Water System [?]	Non-Potable Obtained Water Sources (Water Systems Only) [?]	TOTAL Non-Potable Water Externally Sourced [?]	Preliminary Estimate? [?]
3	4	5	6	CA1400136 - EASTERN SIERRA TRI COUNTY FAIR	14	<input type="radio"/> Yes <input checked="" type="radio"/> No

TOTAL NON-POTABLE SUPPLY

TOTAL Non-Potable Supply [?]	Preliminary Estimate? [?]
17	<input type="radio"/> Yes <input checked="" type="radio"/> No

NON-POTABLE SUPPLY COMMENTS

-

- WATER SHORTAGE
- SOURCE REPORTING
- SUPPLY & DEMAND
- SUPPLY AUGMENTATION
- DEMAND REDUCTION

Total Annual Report auto-generated – satisfying annual reporting requirements

SUPPLY & DEMAND

- ABOUT
- POTABLE SUPPLY
- POTABLE DEMAND
- NON-POTABLE SUPPLY
- NON-POTABLE DEMAND
- TOTAL REPORT SUMMARY
- TOTAL ANNUAL SUMMARY**

REPORTING PERIOD
09/01/2022 - 09/30/2022

ANNUAL SUPPLY (IN GALLONS)

Month	Groundwater Production	Surface Water Production	Spring Production	Consecutive Connection	Hauled Water Purchased/Received From (Water Systems Only)	TOTAL Potable Supply	Recycled Water Self-Produced	Non-Potable Water Produced (not recycled; i.e., AGRICULTURE well)	Recycled Water Obtained	Recycled Water Obtained From (Water System Number Only)	Obtained Non-Potable Hauled Water	Other Non-Potable Water Obtained From Another Water System	Non-Potable Obtained Water Sources (Water Systems Only)	TOTAL Non-Potable Supply	TOTAL Supply
July															0
August	16,006	97,755,300				97,783,321									97,783,321
September	20	25	5	5	CA0105010 - EBRPD - DEL VALLE REGIONAL PARK	70	1	2	3	4	5	6	CA1400136 - EASTERN SIERRA TRI COUNTY FAIR	17	87
TOTAL	16,026	97,755,325	5	5		97,783,391	1	2	3		5			17	97,783,408

ANNUAL DEMAND (IN GALLONS)

Month	Residential Single-Family	Residential Multi-Family	Commercial & Institutional	Metered Irrigation of Commercial, Industrial, or Institutional Landscapes	Industrial	Agriculture	Other Non-Residential Demand	Volume Sold or Delivered to Other Water Systems(s)	Sold or Delivered To (Water Systems Only)	TOTAL Potable Demand	Residential Recycled Water Demand	Residential Non-Potable Demand (non-recycled)	Non-Residential Recycled Water Demand	Non-Residential Non-Potable Demand (non-recycled)	Volume Non-Potable Sold or Delivered to Other Water System(s)	Non-Potable Sold or Delivered To (Water Systems Only)	TOTAL Non-Potable Demand
July																	
August																	
September	1	2	3	4	5	6	7	8	CA1400504 - BOULDER CREEK TRAILER PARK	36	1	2	4	5	7	CA1400049 - DIAZ LAKE CAMPGROUND	12
TOTAL	1	2	3	4	5	6	7	8		36	1	2	4	5	7		12

Greater Flexibility – Reporting, Reminders, Editing

- Systems will receive email notifications and reminders of Report due dates, past-due notifications, etc.
- Systems can report preliminary data but must provide final data by the end of the calendar year.
- Systems will be able to access submitted Reports and make edits to data.

REQUIRED REPORTING

1 – 6 of 6



EXPORT

HIDE COLUMNS

REPORTING PERIOD	SUBMITTED DATE	SUBMITTED BY	LAST EDIT DATE	EDIT AUTHOR	REPORTING FREQUENCY	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	×
08/01/2022 - 08/31/2022	Pending				Monthly	
07/01/2022 - 07/31/2022	08/15/2022	Larry Miller			Monthly	
06/01/2022 - 06/30/2022	07/05/2022	Larry Miller			Monthly	
05/01/2022 - 05/31/2022	06/08/2022	Larry Miller	06/28/2022	Larry Miller	Monthly	
04/01/2022 - 04/30/2022	05/09/2022	Larry Miller	06/28/2022	Larry Miller	Monthly	
03/01/2022 - 03/31/2022	04/06/2022	Larry Miller			Monthly	

Need Help?

- Contact your regulating agency contact to **update list of active sources**.
- Visit website to learn more:
https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/clearinghouse_drought_conservation_reporting.html
 - Where to access your reports – Clearinghouse log-in information
 - Authority to require reporting
 - User guides; training materials; FAQs; videos; and technical assistance application.
 - Reporting deadlines
- Direct questions about Drought reporting to:
ddw-drought@waterboards.ca.gov

More to Come!

