



INTRODUCING THE INITIATIVE TO STREAMLINE WATER DATA REPORTING (ISDWR CA)

CALWEP – CALIFORNIA DEPARTMENT OF WATER RESOURCES – SOCAL GAS
BEWATERWISE – OLDCASTLE INFRASTRUCTURE – EAGLE AERIAL

INTRODUCING THE INITIATIVE TO STREAMLINE WATER DATA REPORTING (ISDWR CA)



Melissa Matlock
CalWEP



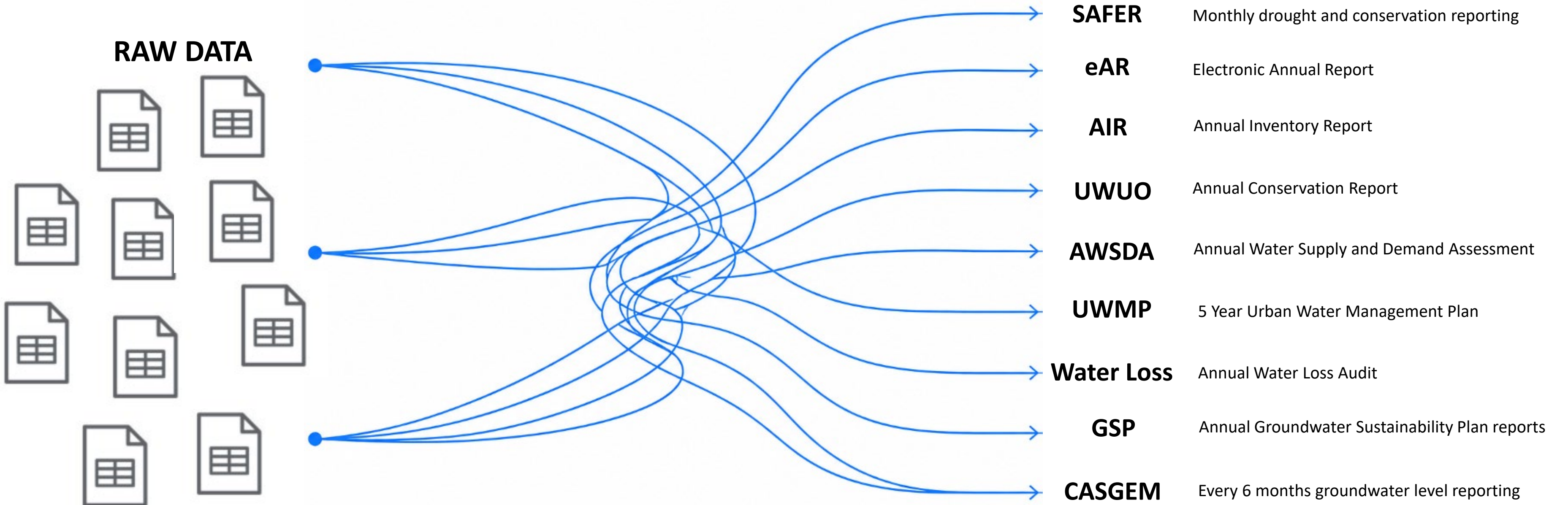
Christopher Tull
California Data
Collaborative

Thursday, May 28 | 12:00 PM- 1:15 PM | Napa Ballroom

CALIFORNIA'S WATER REPORTING CHALLENGE



Water supply and use data is vital for understanding trends, needs, and future planning. Yet these data are often unavailable in the timeframes or formats needed for real-world management. Inconsistencies in definitions, processing methods, and quality assurance hinder timely interpretation and regional aggregation.

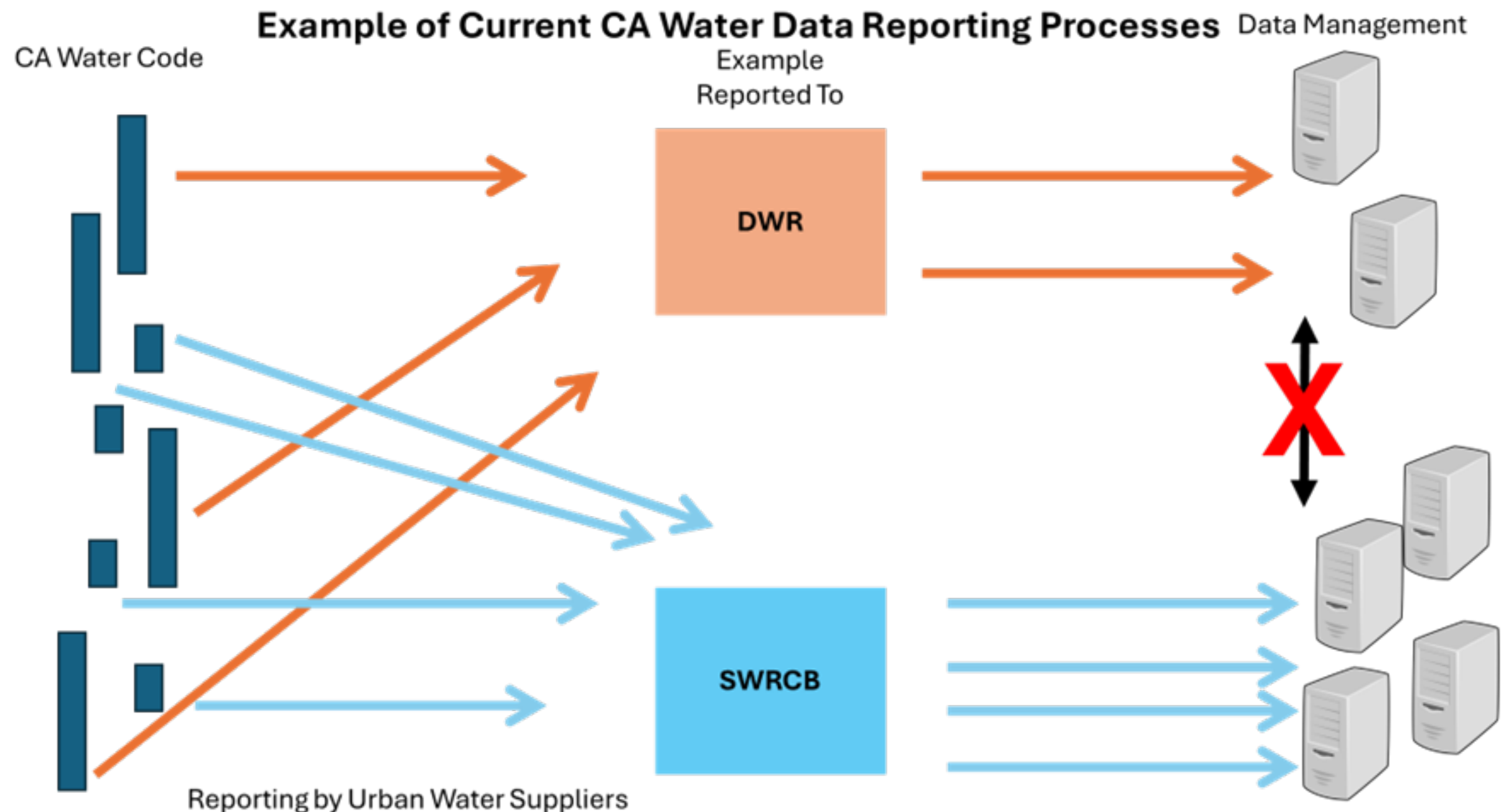


CURRENT DATA REPORTING



Across California's water sector, immense effort is spent collecting and reporting the same data in slightly different formats and timelines - each shaped by past legislation, agency priorities, and fragmented systems.

- REDUCED DATA QUALITY DUE TO INCONSISTENT DEFINITIONS
- QUESTIONED VALUE OF SUBMITTED DATA THAT APPEARS UNUSED OR INCONSISTENTLY APPLIED
- LIMITED QUALITY AND VISIBILITY IN REAL-TIME WATER CONDITIONS
- THE PROCESS REMAINS PIECEMEAL AND INEFFICIENT



MISSION



To streamline California's water data to improve efficiency, increase data confidence, and deliver data that matter. By expanding on and align decades of effort by the state, local agencies, and non-profits to bring to life the vision of AB 1755, the Open and Transparent Data Act, to modernize data collection and sharing with high quality, clear, consistent, and accessible data needed for resilient water management.

CALIFORNIA'S WATER REPORTING SYSTEM SHOULD:



INFORM THE PUBLIC



STRENGTHEN EMERGENCY RESPONSE



PROVIDE ACTIONABLE INSIGHTS & REPORTING



SUPPORT PLANNING & INVESTMENT



STRENGTHEN LOCAL CAPACITY



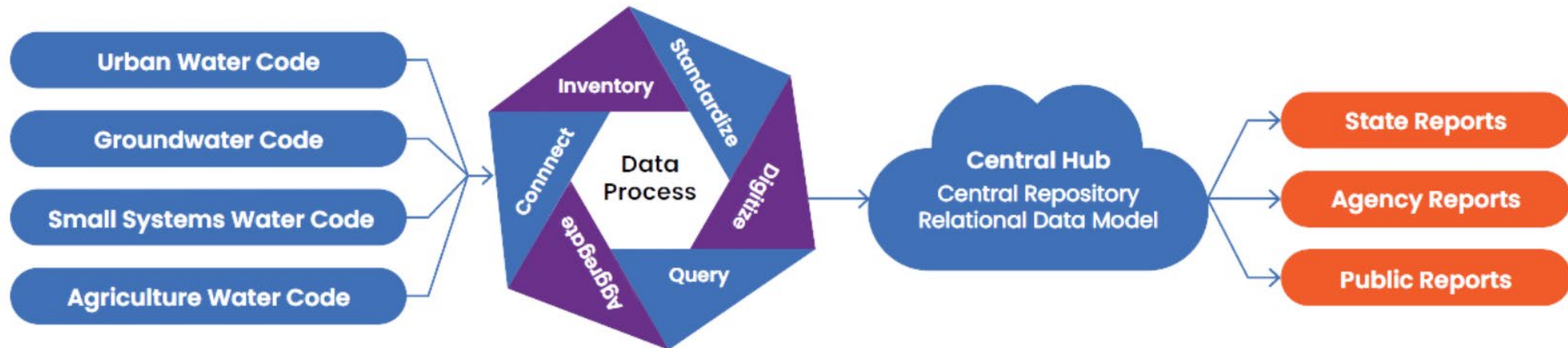
ENABLE EQUITY & TRANSPARENCY

LONG-TERM VISION



Developed through a collaborative listening tour, this Initiative's vision is to create a streamlined data system, a one-stop shop, that is agile, straightforward, and equitable, ensuring the data provided to the State answers legislative questions, strengthens both local and state capacity, and is accessible and transparent.

California's Vision for Streamlined Water Data



WATER AGENCIES



Collect and manage local water data

STATE AGENCIES



Oversee, standardize, and integrate data

WATER CODE



Establish requirements and ensure consistency



STREAMLINED DATA



Accurate. Consistent.
Accessible. Actionable.

BETTER OUTCOMES

-  Improved water management
-  Informed decisions
-  Operational efficiency
-  Stronger compliance

EVERYONE PLAYS A PART IN BETTER DATA.

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-  Stronger compliance

EVERYONE PLAYS A PART IN BETTER DATA.



GAME TIME

Guess how many reporting requirements there are!

1. Join the Poll Everywhere activity.
2. Answer each reporting-related question as it appears.
3. Submit your best guess or agency perspective.
4. Review the live audience responses.
5. We'll walk through the analysis together and discuss the results.

**Let's see how well
we really know
California water
reporting.**

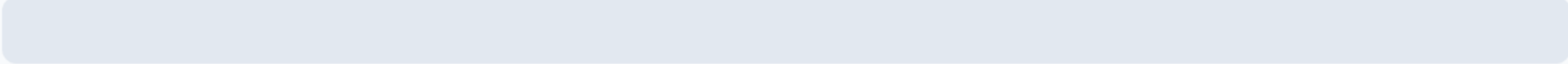
1. How many distinct water reporting requirements do you think ISWDR CA identified across California statutes and regulations?

Nobody has responded yet.

Hang tight! Responses are coming in.

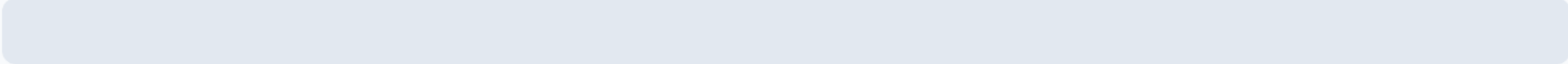
2. Which reporting frequency appeared most often in the analysis?

Annual



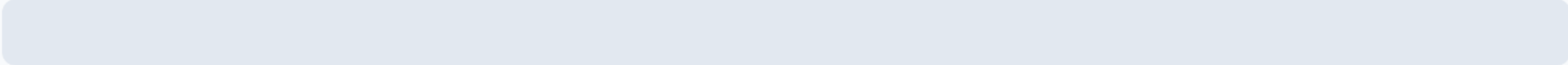
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Quarterly



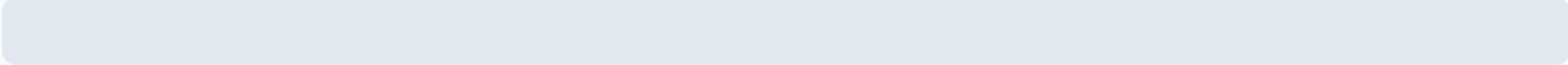
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Monthly



0%

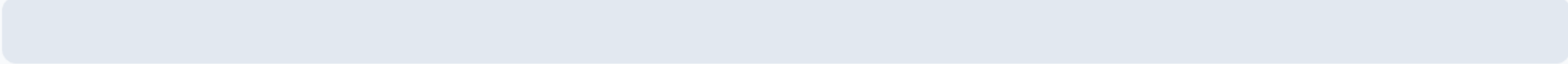
Event-triggered



0%

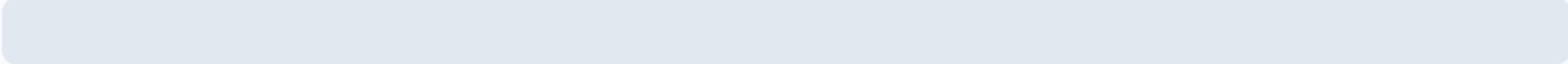
3. What type of reporting requirement represented the largest share of identified provisions?

Compliance



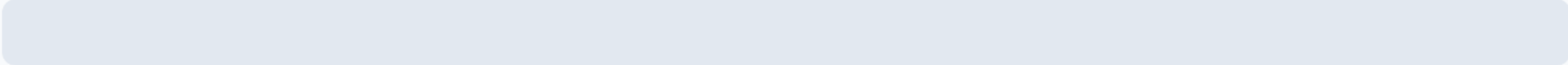
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Public Disclosure



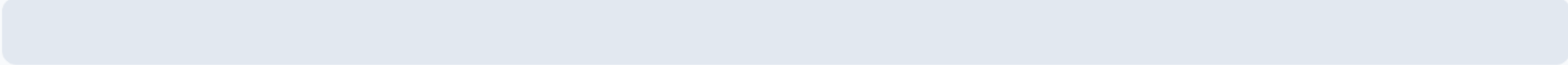
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Data Submission



0%

Plan or Assessment



0%

4. Which agency do you think appeared most frequently as the recipient of water reporting requirements?

Nobody has responded yet.

Hang tight! Responses are coming in.

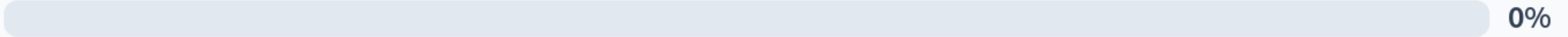
5. What percentage of identified reporting provisions do you think had no sunset or expiration date?

Nobody has responded yet.

Hang tight! Responses are coming in.

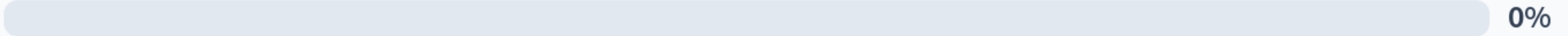
6. Which topic area generated the highest number of reporting requirements?

Water Rights



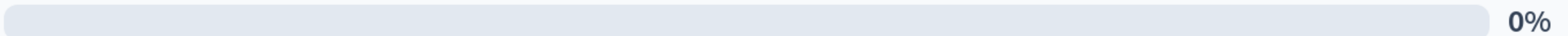
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Water Supply



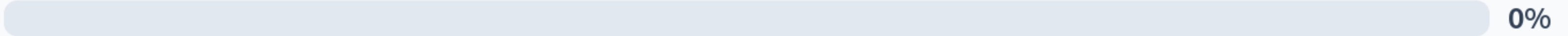
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Conservation



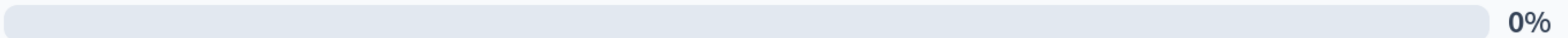
0%

Water Quality



0%

Groundwater



0%

7. How many reports were identified for public water systems and urban water suppliers?

Nobody has responded yet.

Hang tight! Responses are coming in.

ANALYZING THE WATER CODE



Using an AI Tool that analyzes Legislation, developed by Caldera, the **ISWDR CA** examined over **30,500 provisions** across the California Code (statutes) and the California Code of Regulations (CCR), identifying **4,113 distinct water reporting requirements drawn from 2,673 unique statutory and regulatory provisions.**

The search used intentionally broad keyword filters requiring each provision to mention at least one **water-related term** (water, wastewater, groundwater, stormwater, discharge, effluent, sewage, irrigation, flood, NPDES, TMDL, etc.) AND at least one **reporting-related term** (report, submit, transmit, notify, monitoring, compliance, annual, quarterly, etc.). This produced ~30,380 candidate provisions.

An LLM processor then evaluated each provision against strict criteria, requiring:

- 1. A substantive water nexus** – the reporting requirement must relate to water in a meaningful way (not just incidentally)
- 2. A mandatory reporting obligation** – the provision must actually require submission of a report, data, notification, or disclosure to an external recipient
- 3. An identifiable reporter and recipient** – the provision must specify who reports and who receives it

Metric	Value
Total reporting requirements identified	4,113
Unique source provisions	2,673
From California Code (statutes)	1,651 entries
From California Code of Regulations	2,462 entries
Provisions with sunset/expiration	176 (4.3%)
Provisions without sunset	3,933 (95.6%)



ANALYZING THE WATER CODE

ISWDR CA's Analysis:

- Identified 4,113 distinct water reporting requirements
- Drawn from 2,673 unique statutory and regulatory provisions.

Report Type	Count	Share
Plan or Assessment	1,030	25.0%
Event Notification	837	20.4%
Data Submission	710	17.3%
Compliance	471	11.5%
Monitoring	353	8.6%
Legislative Report	340	8.3%
Public Disclosure	311	7.6%
Other	61	1.5%

ANALYZING THE WATER CODE



ISWDR CA's Analysis

Frequency	Count	Share
Event-Triggered	2,023	49.2%
One-Time	861	20.9%
Periodic (Other)	500	12.2%
Annual	489	11.9%
Monthly	68	1.7%
Not Specified	70	1.7%
Quarterly	62	1.5%
Biennial	40	1.0%

Water Topic	Count
Water Quality	2,519
Water Infrastructure	1,020
Groundwater	1,014
Drinking Water	743
Wastewater / Sewage	660
Water Supply / Conservation	598
Coastal / Ocean	532
Other	511
Wetlands / Habitat	343
Flood Control	285
Stormwater / Runoff	282
Water Rights / Diversion	271
Recycled Water	266
Dams / Reservoirs	141
Irrigation / Agriculture	140

ANALYZING THE WATER CODE



ISWDR CA's Analysis

Recipient	Count
State Water Resources Control Board (various name forms)	~381
Department of Water Resources	~160
Regional Water Quality Control Board	~149
Legislature	~89
Department of Toxic Substances Control	~80
Public (website posting, public disclosure)	~48
Administrator, Office of Spill Prevention and Response	~25
State Lands Commission	~21
Division of Oil, Gas, and Geothermal Resources	~20
Office of Operator Certification	~20
Central Valley Flood Protection Board	~19

Reporting Entity	Count
Department of Water Resources	~106
State Water Resources Control Board	~68
Public water systems	~39
Direct Potable Reuse Responsible Agency	~39
Regional Water Quality Control Board	~19
Urban water suppliers	~31
GRRP project sponsors	~41
Department of Fish and Wildlife	~14
Groundwater Sustainability Agencies	~12
Department of Forestry and Fire Protection	~12

Polling Answers



1. How many distinct water reporting requirements do you think ISWDR CA identified across California statutes and regulations?
 - **4,113**
2. Which reporting frequency appeared most often in the analysis?
 - **Event-Triggered**
3. What type of reporting requirement represented the largest share of identified provisions?
 - **Plan or Assessment (1,030 / 25.0%)**
4. Which agency do you think appeared most frequently as the recipient of water reporting requirements?
 - **State Water Resources Control Board**
5. What percentage of identified reporting provisions do you think had no sunset or expiration date?
 - **95.6%**
6. Which topic area generated the highest number of reporting requirements?
 - **Water Quality (2,519)**
7. How many reports were identified for public water systems and urban water suppliers?
 - **Public water system = 39; Urban water suppliers = 31**

ANALYZING THE WATER CODE

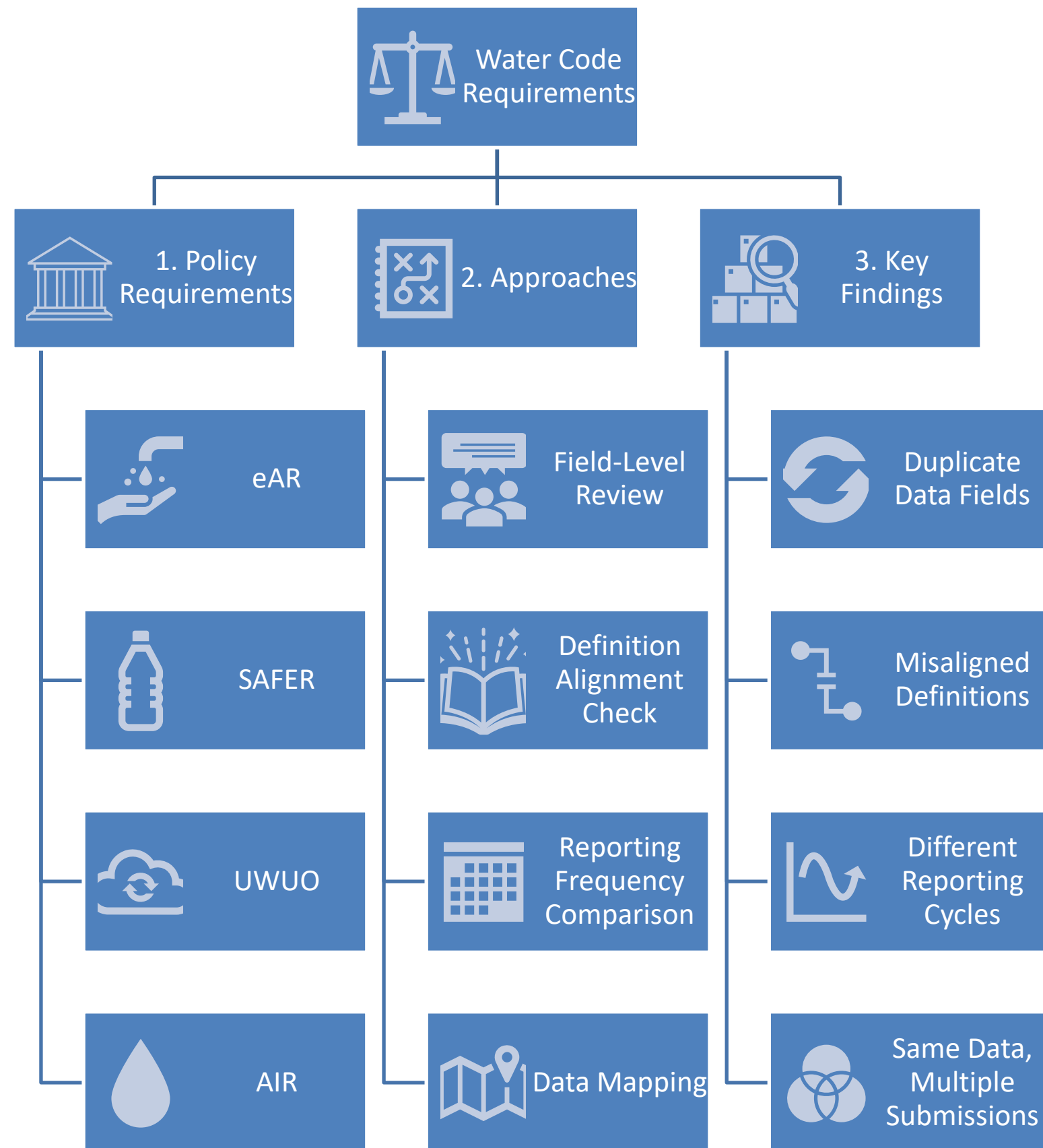


Key Observations in Water Code:

- 1. Water reporting is pervasive across California law.** Requirements were found in 21 of 29 statutory codes and across nearly every CCR title. Any effort to catalog or streamline water reporting must look well beyond the Water Code and Title 23.
- 2. Nearly half of all requirements are event-triggered.** These are driven by incidents, applications, or threshold events rather than fixed schedules — making them harder to track systematically but no less important for compliance.
- 3. The State Water Resources Control Board is the central hub.** It is both the largest recipient of water reports and one of the largest reporters itself, reflecting its dual role as regulator and implementer.
- 4. Very few requirements sunset.** Only 4.3% of identified requirements have explicit expiration dates, suggesting that the body of water reporting obligations has grown steadily over time with limited pruning.
- 5. Plans and assessments are the largest category.** One in four requirements involves submitting a plan, assessment, or study — reflecting California's planning-oriented approach to water management.
- 6. Regulations generate more reporting requirements than statutes.** The CCR contributes 60% of all identified requirements, underscoring that much of the operational reporting burden is defined at the regulatory rather than statutory level.

FROM WATER CODE TO REPORTING REALITY

Exploring Duplicative Reporting:



Reporting Entity	Count
Department of Water Resources	~106
State Water Resources Control Board	~68
Public water systems	~39
Direct Potable Reuse Responsible Agency	~39
Regional Water Quality Control Board	~19
Urban water suppliers	~31
GRRP project sponsors	~41
Department of Fish and Wildlife	~14
Groundwater Sustainability Agencies	~12
Department of Forestry and Fire Protection	~12

REPORTS REFERENCED



Key Reports:

1. UWUO – Urban Water Use Objective
2. eAR – Electronic Annual Report
3. AIR – Annual Information Report
4. SAFER – Safe and Affordable Funding for Equity and Resilience (Monthly water use and demand reports)

1. Which reporting program(s) do you directly work on, review, or support?

Nobody has responded yet.

Hang tight! Responses are coming in.

2. How duplicative do these reporting programs feel to you?

Nobody has responded yet.

Hang tight! Responses are coming in.

3. Roughly how many individual data points do you think your agency submits annually across UWUO, eAR, AIR, and SAFER combined?

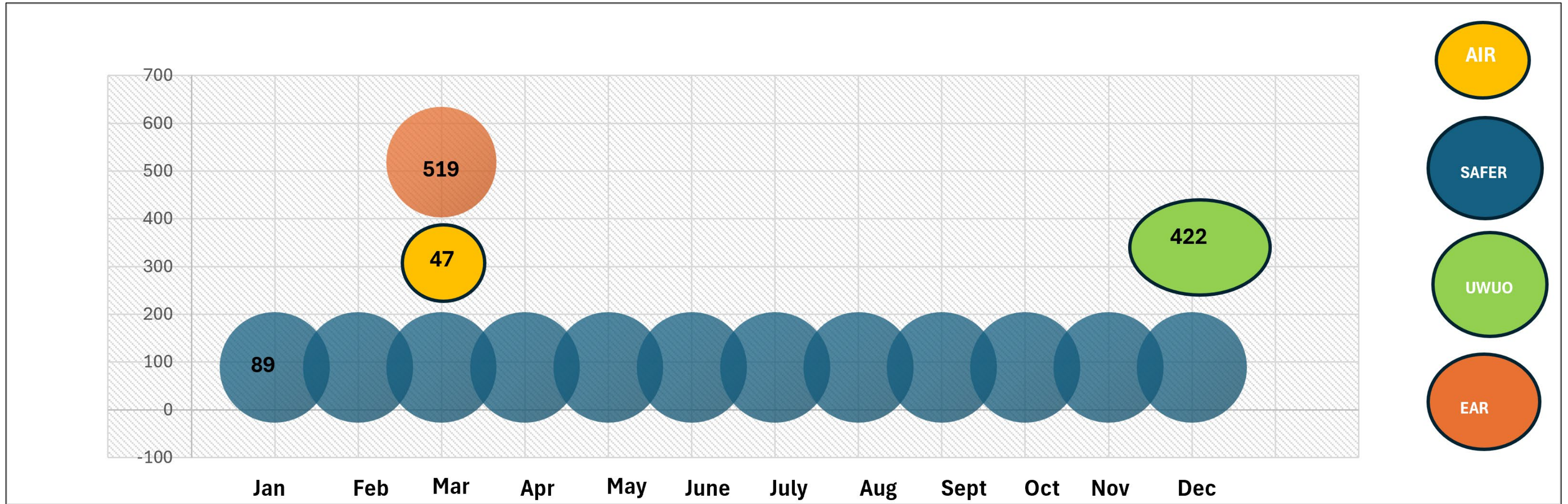
Nobody has responded yet.

Hang tight! Responses are coming in.

DEVELOPING A REPORTING MATRIX

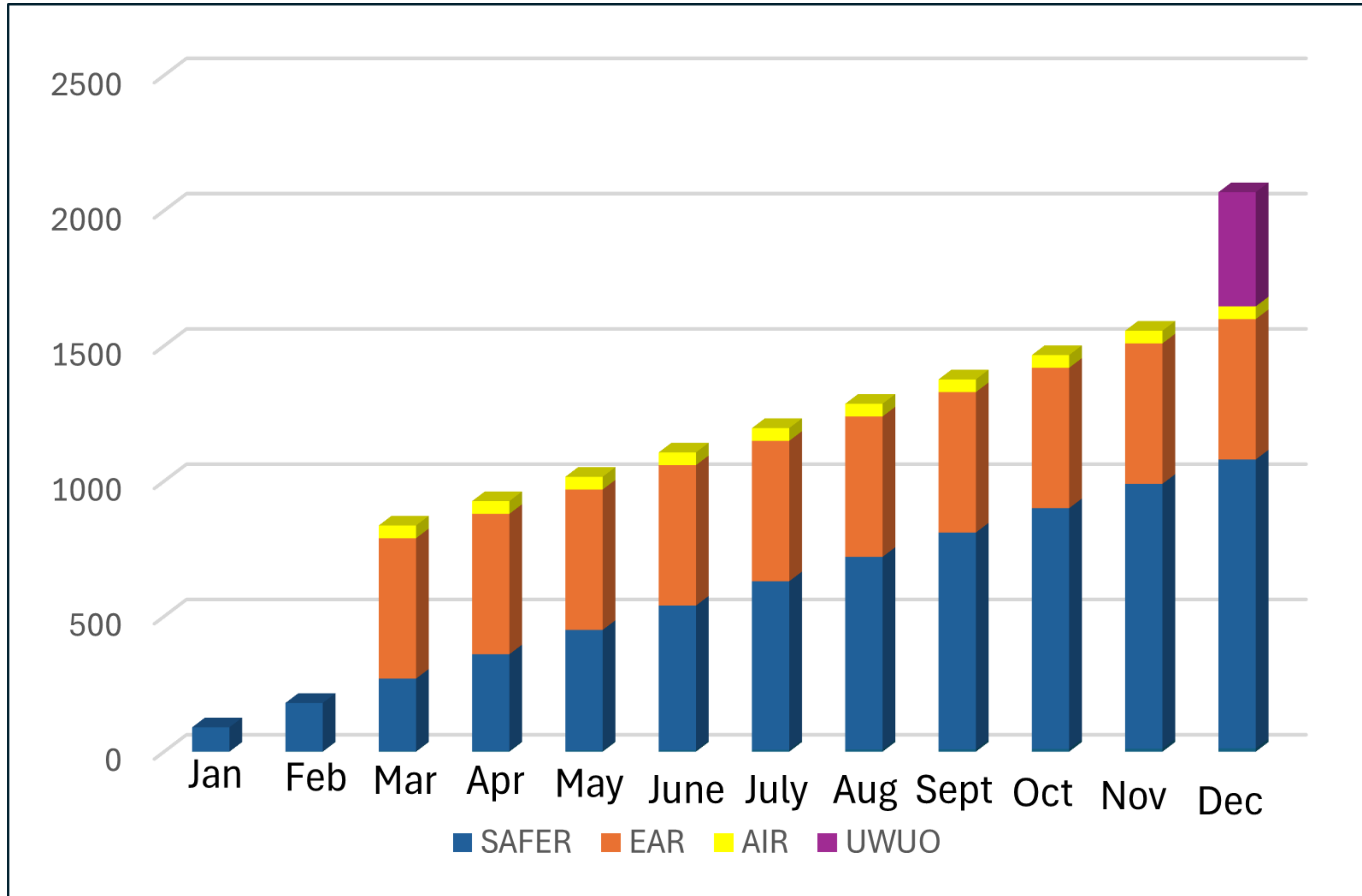
Category Name	Definition	Classifications
Field Type	The primary thematic domain of the reporting question; what the question is about.	Supply, Demand, Loss / Water Loss Control, Connections, Financial & Billing, Resilience & Emergency Preparedness, Climate Adaptation, Operational Management, Population, System ID/Characteristics, Other
Water Type	The type of water relevant to the reporting question.	Potable, Non-Potable, Recycled, Wastewater, Groundwater, Surface Water, Mixed, Raw, All, Other, N/A
Customer / Use Type	The customer class, land use sector, or end use category to which the data refers.	Residential, SF Residential, MF Residential, Commercial, Industrial, Institutional, Landscape/Irrigation, Agriculture, Mixed, All, Other
Data Type	The structural format or nature of the data expected.	Numeric — Count, Numeric — Volume, Numeric — Financial, Numeric — Identifier (Tag or ID name), Text (Descriptive), Alpha-Numeric, Date, Boolean (yes/no), UOM Metadata, Other
Unit of Measure (UOM)	The physical or administrative unit used for quantifying the data.	Gallons, Acre-Feet, Million Gallons, CCF / HCF, Square Feet, Dollars (\$), Miles, Percent (%), Chose UOM, Miles, inches/year, Other
Reporting Period	The time interval the value represents; all reporting questions must align with an established reporting cycle.	Calendar Year, State Fiscal Year, Federal Fiscal Year, Monthly, Seasonal, Multi-Year, Point-in-Time (static identifiers, addresses, names, etc.), Other
Question/Entry Type	The input structure or format used to capture the response.	MC (Multiple Choice), ME (Manual Entry), CF (Calculated Field), P (Paragraph / Long Text), SATA (Select All That Apply), Boolean (Yes/No), Other
Required / Optional	Whether the reporting requirement is mandatory, optional, or conditional.	Mandatory, Optional, Conditionally Required, Unclear/Unspecified
Administrative Attributes	Questions that describe who is reporting (identifiers, contacts, facility names, classifications, system descriptors).	System Identifier (WSID, PWSID, WSFID), System Name, Facility Identifier, Contact Information, Geographic / Service Area Descriptor, Document / Plan Reference, Classification / System Type, Website / Public Information, Other, N/A
Stability	How frequently the reported value is expected to change.	Static (never / rarely changes), Periodic (annual or seasonal), Dynamic (monthly or more frequent)

DATA POINTS



*SAFER and AIR assume one entry for each supply. Example – groundwater assumes one well entry. If an agency has more supply sources, reporting values will increase.

CUMULATIVE DATA POINTS



ANALYZING QUESTION TYPE



Data Type	Definitions
Quantitative	Any data field that is numeric
Non-Quantitative	Any data field that is non-numeric
Administrative	Questions that describe who is reporting (identifiers, contacts, facility names, classifications, system descriptors).
Non-Administrative	Any data field that is not an administrative question

ANALYZING QUESTION TYPE



Data Type	Percentage
Quantitative - Administrative	1%
Quantitative - Non- Administrative	63%
Non-Quantitative - Administrative	30%
Non-Quantitative - Non-Administrative	6%

ANALYZING QUESTION TYPE



Stability	Profile	Verify	Validation	API	Notes
Stable	✓				utility profile
Semi-stable		✓	✓		Pre-population with annual confirmation
Dynamic			✓	✓	integration

ANALYZING QUESTION TYPE



Stability	Non-Quantitative	Quantitative	Total	Modernization Opportunity
Stable	200	158	358	Profile auto-fill
Semi-Stable	136	269	405	Pre-fill + verify
Dynamic	39	232	271	Integration/API
Total	375	659	1034	

Water Reporting Bingo - Time to Play!



How to Play

- As we discuss different data points, mark each report where you believe that information is requested, submitted, or referenced.
- Some data points may appear across multiple reporting programs.
- The goal is to identify overlap, duplication, and recurring reporting requirements across California water reporting frameworks.
- Follow along using the Bingo/Tally Card and compare your responses with the live discussion and Poll Everywhere results.
- There are no penalties for wrong answers — this is about identifying patterns and sparking discussion.

Reporting Programs

- Urban Water Use Objective (UWUO)
- Electronic Annual Report (eAR)
- Safe and Affordable Funding for Equity and Resilience (SAFER, Monthly water use and demand reports)
- Annual Water Supply Demand Assessment (AWSDA)
- Urban Water Management Plan (UWMP)

Bingo - Population



UWUO

List of Supplier Public Water Systems

Cells highlighted in pink indicate data points that have been flagged as missing or potentially erroneous. This is intended to

PWSID	Water System Name	County	Residential Population
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Residential Service Area Population	39,930	Number of persons	Obtained from SDWIS Residential Population Table
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AWSDA

None

SAFER

POTABLE RESIDENTIAL DEMAND

Residential Single-Family	Residential Multi-Family	TOTAL Residential Demand	Population Served	Residential Gallons per Capita per Day (R-GPCD)	Preliminary Estimate?
1,128	229	1,357	170,236	0.00	No

POTABLE NON-RESIDENTIAL DEMAND

eAR

Data Field Display Name in eAR	eAR Section	Data Type	Data Description
Wholesale Population Annual Operating Period End Day	3 Population	Integer	The day the wholesaler population stopped being served by the water system in the reporting year.
Method Used to Determine Population	3 Population	Multiple Choice (Dropdown List)	Indicates how the water system determined population size
Description of Determination Method set to Other	3 Population	Text	Indicates whether the Determination method was "other"
Population Communities Served	3 Population	Text	The community populations served by the water system
Section 3 - Population Served Comment	3 Population	Text	Misc. comments about the populations served by the water system

UWMP

Submittal Table 3-1 Retail: Population - Current and Projected Water Code Section 10631(a)

Population Served	2025	2030	2035	2040	2045	2050(opt)

Bingo – Total Connections



UWUO

Water Loss Standard Type	Number of Service Connections (active + inactive) (selected in Table 2)
Gallons per service connection per day	8,878
Total number of Commercial, Institutional, and Industrial (CII) service connections	407
Number of classified CII water users	385 Connections

AWSDA

None

SAFER

None

eAR

Data Field Display Name in eAR	eAR Section	Data Type	Data Description
A7.4 Total Count Potable Total Prev Year	4 Connections	Calculation	The total number of potable service connections in the water system's area during the prior reporting year
B. Number of Inactive Connections (all types): Include only service connections that have been physically disconnected (e.g., meter removed) from the water system. All other service connections should be considered as "Active."	4 Connections	Calculation	A number of disconnected service connections that occurred in the prior year
C. Mixed Use Meters: If the connection categories below include some portion of residential connections, please check the boxes below:	4 Connections	Checkbox	Indicates types of meters used with residential connections.
D. Outdoor or Indoor meters/submeter: Does your water system keep records on outdoor irrigation meters or commercial, institutional, or industrial indoor submeters?	4 Connections	Multiple Choice (D	Indicates whether a water system maintains outdoor meters or submeters
D1. Number of NON-residential customers required to have dedicated outdoor irrigation meters (excluding agricultural connections)	4 Connections	KendolInteger	The number of non-residential outdoor irrigation meters within the water system areas
D2. Number of Single-Family Residential customers with dedicated outdoor irrigation meters	4 Connections	KendolInteger	The number of single-family residential outdoor irrigation meters within the water system areas
D3. Number of Multi-Family Residential customers with dedicated outdoor irrigation meters?	4 Connections	KendolInteger	The number of multi-family residential outdoor irrigation meters within the water system areas
D4. Number of Commercial, Institutional and Industrial customers with indoor submeters	4 Connections	KendolInteger	The number of commercial, institutional with indoor submeters within the water system areas
Section 4 - Service Connections Comment	4 Connections	Text	Misc. comments about the

UWMP

Submittal Table 2-1 Retail: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2025	Volume of Water Supplied 2025 (AF)
Add additional rows as needed			

Bingo – Total Supplies



UWUO

None

AWSDA

Table 3: Water Supplies¹

Water Supply	Start Year:	YYYY	Volumetric Unit Used ² :	MG								
Drop-down List May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Detail on Water Supply	Projected Water Supplies - Volume ³										
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May

Potable Supplies

eAR

of sources, new sources by source type; volume moved to SAFER

SAFER

SOURCE REPORTING

ETWD LOS ALISOS

Source Information:

- Facility ID: 045
- Facility Type: Consecutive Connection
- Water Type: Surface Water
- Facility Availability: Emergency
- Activity Status: Active
- Maximum Capacity: Missing Information
- Maximum Capacity Unit of Measure: Missing Information
- Maximum Contractual Daily Rate: Missing Information

SUPPLY & DEMAND

ABOUT

Does your system supply or deliver non-potable water to customers or other water systems?: No
 Does your system supply or deliver recycled water to customers or other water systems?: Yes

POTABLE SUPPLY

Unit of Measure: Gallons (G)

POTABLE SELF-PRODUCED

TOTAL Potable Self-Produced	Preliminary Estimate?
0	No

POTABLE EXTERNALLY-SOURCED

Consecutive Connection	Consecutive Connection Obtained From (Water Systems Only)	Bottled Water Reliance	TOTAL Potable Externally-Sourced	Preliminary Estimate?
738,751,958	CA1910087 - METROPOLITAN WATER DIST. OF SO. CAL.; CA3010042 - SOUTH COAST WATER DISTRICT; CA3010071 - JOINT REGIONAL WATER SUPPLY SYSTEM; CA3010079 - EL TORO WATER DISTRICT; CA3010092 - IRVINE RANCH WATER DISTRICT; CA3010101 - SANTA MARGARITA WATER DISTRICT	No	738,751,958	No

TOTAL POTABLE SUPPLY

TOTAL Potable Supply	Preliminary Estimate?
738,751,958	No

POTABLE SUPPLY COMMENTS: Potable water meters are read on the first of the month. However, demand is not on the same read timeline due to the billing system. Therefore, supply and demand are not reported on the same timelines.

UWMP

Submittal Table 6-8 Retail: Water Supplies — Actual Water Code Section 10631(b)

Water Supply		2025	
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Potable or Non-Potable (after treatment if treated) (OPTIONAL) Drop Down list	Actual Volume (AF)

Bingo – Potable Water Use



UWUO

Actual Water Use (Potable and Nonpotable), Demands Relevant to the Objective	Value	Actual Water Use (Potable and Non-Potable), Excluded Demands	Value	Units
Annual, aggregate potable deliveries to Single-family Residential connections	725,441,816	Annual, aggregate potable deliveries to Commercial & Institutional connections	357,177,914	Gallons/Year
Annual, aggregate potable deliveries to Multi-family Residential connections	98,754,700	Annual, aggregate potable deliveries to Industrial connections	93,360,124	Gallons/Year
Total Potable Residential Water Use	824,196,516	Annual, aggregate potable deliveries to Other connections	22,856,038	Gallons/Year
Annual, aggregate residential Recycled Water Demand (excluding metered irrigation)	0	Annual, aggregate nonpotable nonresidential deliveries (excluding non-potable deliveries to CII DIMs)	0	Gallons/Year
Annual, aggregate residential Non-potable Demand (non-recycled, excluding metered irrigation)	0	Total Excluded Demands	473,394,076	Gallons/Year
Annual, aggregate residential non-potable metered irrigation	0	Annual, aggregate potable commercial agriculture deliveries	0	Gallons/Year
Total Non-Potable Residential Water Use	0	Annual, aggregate nonpotable commercial agriculture deliveries	0	Gallons/Year
Volume of water delivered to residential landscapes that the Department excluded from its LAM analysis and are not currently a part of the residential outdoor budget. (This does not include new construction)	0			

SAFER

Unit of Measure: Acre Feet (AF)

POTABLE RESIDENTIAL DEMAND

Residential Single-Family	Residential Multi-Family	TOTAL Residential Demand	Population Served	Residential Gallons per Capita per Day (R-GPCD)	Preliminary Estimate?
1,128	229	1,357	170,236	0.00	No

POTABLE NON-RESIDENTIAL DEMAND

Commercial & Institutional	Metered Irrigation of Commercial, Industrial, or Institutional Landscapes	Industrial	Agriculture	Other Non-Residential Demand	Total Non-Residential Demand	Preliminary Estimate?
189	166	0	0	0	355	No

POTABLE WATER DELIVERED TO OTHER WATER SYSTEM (S)

Volume Sold or Delivered to Other Water System(s)	Sold or Delivered To (Water Systems Only)	Preliminary Estimate?
442	CA3010079 - EL TORO WATER DISTRICT; CA3010101 - SANTA MARGARITA WATER DISTRICT	No

TOTAL POTABLE DEMAND

TOTAL Potable Demand	Preliminary Estimate?
2,154	No

POTABLE DEMAND COMMENTS: Potable water meters are read on the first of the month. However, demand is not on the same read timeline due to the billing system. Therefore, supply and demand are not reported on the same timelines.

AWSDA

Table 2: Water Demands

Use Type	Start Year:	YYYY	Volumetric Unit Used ² :	MG
Drop-down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Description (as needed)	Level of Treatment for Non-Potable Supplies	Drop-down list	Projected Water Demands - Volume ³
				Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Demands Served by Potable Supplies				

UWMP

Submittal Table 4-1 Retail: Total Uses for Potable and Non-Potable Water — Actual Water Code Section 10631(d)(1)

Use Type	Additional Description (as needed)	2025 Actual Water Use	
Drop down list May select each use multiple times These are the only use types that will be recognized by the WUEdata online submittal tool		Potable or Non-Potable (OPTIONAL) Drop down list	Volume (AF)

eAR

Volume moved to SAFER

Bingo – Water Shortage



UWUO

None

AWSDA

Supplier's Water Shortage Contingency Plan

WSCP Title	
WSCP Adoption Date	MM/DD/YYYY

Table 4(P): Potable Water Shortage Assessment ¹					
	Start Year: YYYY				
	Jul	Aug	Sep	Oct	Nov
Anticipated Unconstrained Demand	0.0	0.0	0.0	0.0	0.0
Anticipated Total Water Supply	0.0	0.0	0.0	0.0	0.0
Surplus/Shortage w/o WSCP Action	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action					
State Standard Shortage Level	0	0	0	0	0

eAR

B2. Did the water system have any incidents that substantially affected the ground water treatment plant(s) performance AND/OR had significant modifications or maintenance?	14 Treatment	Multiple Choice (C)	Indicates which incidents, if any, affected groundwater water treatment within in the water system's treatment plants	N/A	Multiple options can be selected: -Degradation of source water quality -Decrease in source water availability -Change in wells used/well operations -Treatment plant process failure, including power outages -Treatment plant unplanned shutdown lasting more than 5 days -Treatment plant unplanned staffing shortages -Shortage of treatment chemicals -Change in treatment plant design capacity -Change in one or multiple treatment processes -Other: Please Describe
B2. Did the water system have any incidents that substantially affected the surface water treatment plant(s) performance AND/OR had significant modifications or maintenance?	14 Treatment	Multiple Choice (C)	Indicates which incidents, if any, affected surface water treatment within in the water system's treatment plants	N/A	Multiple options can be selected: -Degradation of raw source water quality -Decrease in raw source water availability -Change in raw source water(s) used -Treatment plant process failure, including power outages -Treatment plant unplanned shutdown lasting more than 5 days -Treatment plant unplanned staffing shortages -Shortage of treatment chemicals -Change in treatment plant design capacity -Change in one or multiple treatment processes -Other: Please Describe

SAFER

WATER SHORTAGE

Experiencing a severe water shortage: No

Estimated date of when a severe water shortage may begin: Severe water shortage not expected

Do you have a Water Shortage Contingency Plan (or Drought Planning Elements)?: Yes

Website link to Water Shortage Contingency Plan: <https://www.mnwd.com/wp-content/uploads/2021/12/WSCP-Ordinance-21-05.pdf>

Upload Water Shortage Contingency Plan: WSCP-Ordinance-21-05.pdf

Adoption date of Plan: 12/09/2021

What equivalent level percent source reduction of your Water Shortage Contingency Plan have you invoked?: No Shortage Level Invoked

Comments:

UWMP

Submittal Table 7-5 Retail: Five-Year Drought Risk Assessment Water Code Section 10635(b)(3)

2026	Total
Total Water Use (AF)	
Total Supplies (AF)	
Surplus/Shortfall w/o WSCP Action	0
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	

Submittal Table 8-2 Retail: Supply Augmentation and Other Actions Water Code Section 10632(a)(4)(A),(C) and (E)

Is the Supplier completing this table using the standard six levels? (yes/no)				
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier Drop down list These are the only categories that will be accepted by the WUedata online submittal tool	How much is this going to reduce the shortage gap?		Additional Explanation or Reference (OPTIONAL)
		Volume or Percentage Drop down	Shortage Gap Reduction Value (May be a range) (AF)	
Add additional rows as needed				



Water Reporting Bingo - Answers!

**Total Duplicative Hits:
19/25**
Across 5 Urban Water Supplier Reports

	POPULATION	TOTAL CONNECTIONS	TOTAL SUPPLIES	POTABLE WATER USE	WATER SHORTAGE
UWUO	X	X		X	
EAR	X	X	X		X
SAFER	X		X	X	X
AWSDA			X	X	X
UWMP	X	X	X	X	X

ISWDR CA PHASED APPROACH



➤ **PHASE 1: BUILDING THE CASE** ★
Establish the foundation for statewide data streamlining by aligning partners, documenting the case for change, and securing broad support across all levels of staff and agencies.

➤ **PHASE 3: FORMAL TOOLS**
Transform pilot results into lasting solutions by finalizing the recommendations and developing standardized tools and training.

➤ **PHASE 2: PILOT RECOMMENDATIONS**
Demonstrate what streamlined reporting looks like in practice by testing unified data submissions, validating definitions and timing, and providing hands-on support to agencies to refine and scale effective solutions.

➤ **PHASE 4: POLICY CHANGE**
Advance policy and legislative updates to embed data streamlining into statewide practice.

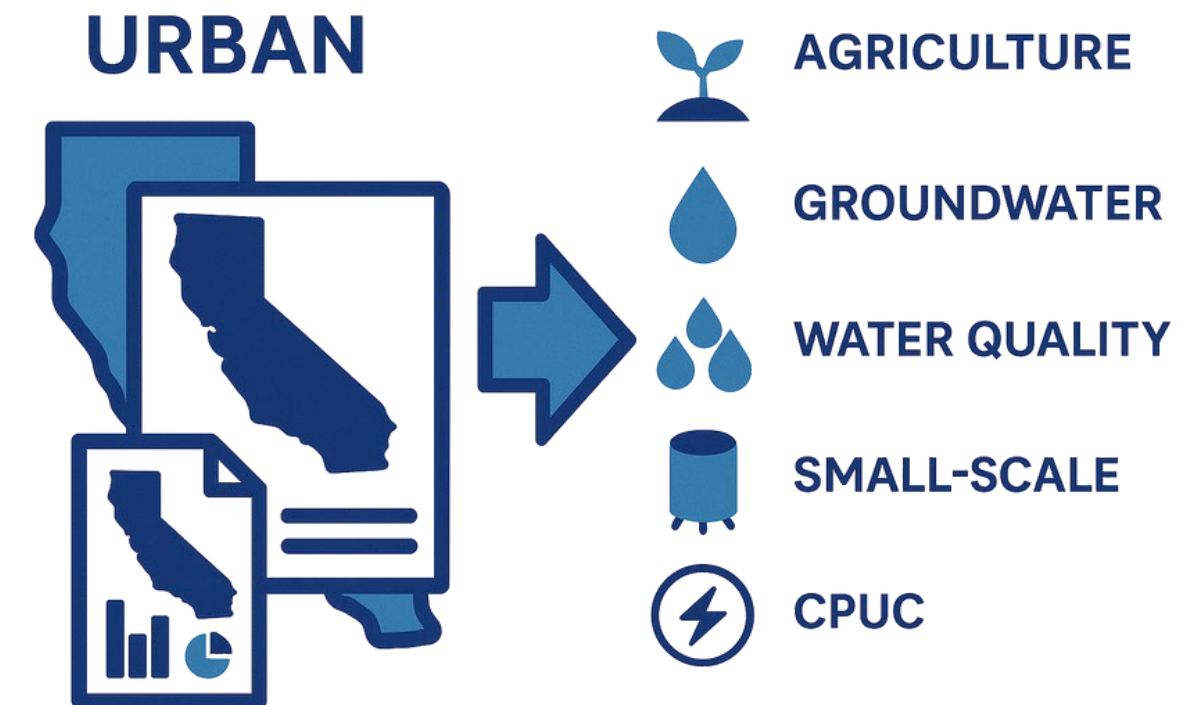
WHERE ISWDR CA IS NOW



We've built a strong foundation of collaboration, alignment, and shared understanding, we've collectively defined the problem and are now actively designing solutions that connect water reporting across all sectors.

Expected Outcomes*:

- DATA DICTIONARY
- PROCESS & DATA RULES
- PROOF OF CONCEPT
- CAPACITY BUILDING
- STATE ENGAGEMENT
- REPORTER OUTREACH
- CONSULTANT EXPERTISE
- WHITE PAPER ON FINDINGS



*Timing of effort and deliverables are dependent on external funding

HOW TO GET INVOLVED



STATE AGENCY

- Highlight the efforts your agency has done to streamline reporting in the past.
- Share data needs, challenges, and limitations on reporting requirements.
- Participate in working groups to engage on definitions, timing, and pilot design.
- Bring the initiative to your legislative affairs teams, senior managers, and data analysts to build internal alignment.
- Join upcoming coordination and visioning workshops.

REPORTING AGENCY & CONSULTANTS

- Volunteer to participate in technical work, recommendations, pilot projects and testing efforts.
- Provide feedback on current reporting pain points and what you'd like to see improved.
- Sign our support letter to demonstrate your agency's commitment to streamlining.
- Share this initiative with leadership, analysts, and partners to build awareness and engagement.
- Support financially or in-kind to help advance statewide data coordination.

HELP SHAPE WHAT A STREAMLINED WATER DATA AND REPORTING FUTURE LOOKS LIKE.



Initiative to Streamline Water Data Reporting in CA

THANK YOU

If you have any questions or would like further discussion, please feel free to contact:

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