

Water Shortage Response Data Dictionary

June 4, 2021

The supplemental Emergency Response section of the Urban Water Supplier Monthly Report is revealed when a reporter selects “Yes” to the question: “Does the [reported invoked Water Shortage Contingency Plan] stage correspond to a shortage greater than 10%, consistent with Water Code section 10632(a)(3)(A)?” This section is formatted as a series of checkboxes corresponding to a list of possible actions the reporter’s agency may have taken to address the reported shortage. Additionally, there are a series of questions pertaining to the number of water waste reports received and addressed.

This dataset is limited to the agencies that responded “Yes” to the above question for the reporting month. The data is released as an Excel spreadsheet with two separate tabs:

- The “Listed responses” tab groups all checked actions into a comma-separated list of actions
- The “Machine readable” tab lists each action as a separate column, and checked actions are denoted as a “Y” in the appropriate spreadsheet cell.

The following table defines all of the data fields that are provided in the “Listed responses” tab of the Water Shortage Response Raw Dataset (located [HERE](#)).

Field Name	Description
Supplier Name	Name of the urban water supplier
Public Water System ID	ID number(s) associated with the water system(s) in the supplier service area
Reporting Month	The pertaining month of the Monitoring Report
County	County/counties encompassing the supplier service area
Hydrologic Region	Name of the principal hydrologic region encompassing the supplier's service area
Climate Zone	Name of the principal climate zone encompassing the supplier's service area
Water Shortage Contingency Plan Stage Invoked	The stage of the water supplier's water shortage contingency plan that has been invoked during the reporting month.
Demand Actions	Actions in the “Demand” category (see table below) that the agency has taken during the reporting month to address the shortage. Specifically, these actions are intended to reduce per-customer water demand.
Supply Actions	Actions in the “Supply” category (see table below) that the agency has taken during the reporting month to address the shortage. Specifically, these actions are intended to augment the existing service area supply.

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Field Name	Description
Water Restrictions	Actions in the “Water Restrictions” category (see table below) that the agency has taken during the reporting month to address the shortage. Specifically, these actions prohibit or limit certain types of water use.
Industry-Specific Actions	Actions in the “Industry-Specific” category (see table below) that the agency has taken during the reporting month to address the shortage. These actions are specific to restaurants, hotels, etc.
Communication Actions	Actions in the “Communication” category (see table below) that the agency has taken during the reporting month to address the shortage. These actions involve increased public messaging regarding the current shortage.
Water Waste Actions	Actions in the “Water Waste” category (see table below) that the agency has taken during the reporting month to address the shortage. Specifically, these actions address problems related to inefficient water use.
Type of water waste	The types of water waste addressed by the reporting agency.
Number of water waste incidents identified or reported	The number of water waste incidents identified or reported for the reporting month.
Number of water waste complaints investigated	The number of waste complaints investigated for the reporting month.
Number of water wasters notified	The number of notifications issued to identified water wasters for the reporting month.

The following table lists the action sub-categories provided in the “Machine readable” tab.

Field Name	Conservation Action Category
Enhanced outreach and communication	Demand
Raising rates	Demand
Apply drought surcharges	Demand
Reduced allocations (for agencies with budget-based rates)	Demand
Residential water audits	Demand
CII water audits	Demand
Expanded existing rebate program	Demand
Rationing	Demand
Turf replacement/rebate	Demand

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Field Name	Conservation Action Category
Demand Reduction Other	Demand
Greywater	Supply
On-site treatment and reuse	Supply
Desalination	Supply
Recycled Water	Supply
Remediated Groundwater	Supply
Supply Augmentation Other	Supply
Weekly watering restrictions	Water Restrictions
Excessive irrigation of outdoor landscapes	Water Restrictions
Washing a motor vehicle with a hose not fitted with a shut-off nozzle	Water Restrictions
Application of potable water directly to driveways or sidewalks	Water Restrictions
Use of potable water in decorative water features	Water Restrictions
The application of water to irrigate turf and ornamental landscapes during and within 48 hours after measurable rainfall	Water Restrictions
Restrictions Other	Water Restrictions
Not serving drinking water other than upon request in eating or drinking establishments	Industry-Specific
Operators of hotels and motels providing guests with the option of choosing not to have towels and linens laundered daily	Industry-Specific
Industry Other	Industry-Specific
E-mails	Communication
Paper mail	Communication
Notifications via Customer App	Communication
Website	Communication
Articles/News releases	Communication
Youtube	Communication
Facebook	Communication
Instagram	Communication
Other Social Media	Communication
Community events	Communication
Door hanger	Communication
Workshops	Communication
Television	Communication
Radio	Communication
Billboard	Communication
Paid Media Advertising	Communication
Bus shelter	Communication
Communication Other (Fill-in)	Communication
Notification via customer app	Water Waste
Notification via Phone call	Water Waste
Notification via Letter	Water Waste

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Field Name	Conservation Action Category
Notification via Door hanger	Water Waste
Notification via Other	Water Waste
Fine	Water Waste
Assigned a different rate tier	Water Waste
Penalty Other	Water Waste