



The Drought in California



Golden State Coin Laundry Association

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California's Water Supply

- ❑ **Sierra Mountain Range**
- ❑ **Delta**
- ❑ **Colorado River**
- ❑ **Ground Water**
- ❑ **Storage Reservoirs**





Drought Task Force

Established in December 2013

- Office of Emergency Services
- Department of Water Resources
- State Water Board
- Department of Food and Agriculture
- EDD, CPUC, CEC





Drought Events Timeline

- **January 17** – Drought State of Emergency declared by Governor Brown
 - 20% voluntary conservation
- **January 31** – No water deliveries from the State Water Project
 - Might increase if it rains
- **February 21** – Central Valley Project
 - No water deliveries for farmers
 - 50% cut for urban customers





Drought Events Timeline

- **April 18** – State Water Project deliveries increased from 0% to 5%
 - Delta salinity barrier project called off
 - Federal Water project deliveries for some senior rights holders increased from 40% to 75%
- **April 25** – Governor Brown's Proclamation
 - Continued State of Emergency
 - 20 Action Items
- **May 2014** – Save our Water Month
 - Water Conservation Campaign in full swing
 - Snowpack – 9% of normal as of May 16





Governor's April 25th Proclamation

- **Highlights**

- Facilitate water transfers and exchanges
- Urban water suppliers directed to address outdoor water / waste
- Californians directed to eliminate water waste
 - Limit outdoor watering; irrigation, washing hard surfaces, car washing; Commercial establishments
- Homeowner Association rules voided
- Assist with temporary interconnections between water systems
- Protect threatened and endangered species
- CEQA / Water Code sections suspended
 - Timber harvesting
 - Water transfers





Governor's Budget

- Emergency Drought Response
 - Task Force
 - Legislation
 - \$687.4 million for drought relief
 - Accelerated expenditure of voter approved bonds
 - Includes funds for those directly impacted
 - Food and Housing
 - Unemployment
 - Expanded Fire Protection
 - Operations Plan
 - DWR, Bureau of Reclamation, Fish and Wildlife, State Board





Wildfire Activity

- **2,257 wildfires thus far this year**
 - Double than average
 - Over 200 wildfires just last week
 - San Diego County – May
 - Mariposa County – June
- **Cal Fire**
 - Additional funds
 - Peak staffing in June





Current Water Conditions

- Water year 2013 /2014 is the third driest year on record
 - 1923/24, followed by 1976/77
 - Third consecutive dry year
 - 50% of average annual precipitation
- Reservoir Storage
 - 40% to 50% range
- Groundwater
 - Unknown in non-adjudicated basins





SaveOurH2o.org

Web Portal

- Water Saving Tips
- Media Campaigns
 - Freeway Signs
 - Videos
 - Social Media
- Partnerships
 - Letspooltogether.com
 - Letslaundrytogether.com?





Household Water Use

- Per capita per day
 - 60 to 275 gallons
- Outdoor use
 - 50% plus
- Indoor use
 - Toilets – 30 %
 - Laundry – 20%



Water use down, but no where near 20%





Vended Laundry Facilities

- Washing clothes represents about 20% of indoor water use
- Laundromats help communities save water
 - Households use one-half as much water than if they washed clothes at home
 - Run larger loads
 - More efficient, large capacity washers
- Multi-family dwellings
 - In apartment vs. common facilities
 - Not conclusive which saves more water





Vended Laundry Facilities

- Drought restrictions
 - Some communities impose water use reductions
 - While others exempt
- Water Rates
 - Typically the same as less water intensive users
- Sewer Rates
 - Expense of wastewater disposal
 - Water Evaporation allowance
- Challenges
 - Costs / urbanization / population growth





November 2014 Water Bond

- Seven different bills making their way through the legislature
- Sen. Lois Wolk's SB848 is the furthest along
 - \$10.5 Billion
 - Tunnel neutral
 - Twin tunnels, 40 miles long, from Sacramento to Tracy
- Governor Brown has yet to take a position
- June 26th deadline to place something on the ballot
- Previous \$11.1B bond pulled from the 2010 *and* 2012 ballot



**Stay tuned and please vote
in November**





Water Industry

- Challenges and Cost Drivers
 - More stringent water quality standards
 - Aging infrastructure
 - Declining water use
 - Recession
 - Conservation mandates
 - Drought



Higher water rates





CPUC Regulated Utility Overview

- **115 Water Utilities**
 - 9 Class A water utilities (over 10,000 connections)
 - 6 Class B water utilities (over 2,000 connections)
 - 23 Class C water utilities (over 500 connections)
 - 77 Class D water utilities (500 connections or less)
- 14 Sewer utilities, less than 1,000 connections
- Serving over 6 million Californians, or about 16% of the state's population
- \$1.4 Billion in total revenue





Water Utility Geographic Reach



▲ CLASS A WATER COMPANIES
Headquarter Offices

All Water Company Customer Service Areas

**▲ CLASS A WATER COMPANIES
CUSTOMER SERVICE AREAS**
More than 10,000 Service Connections

◆ CLASS B WATER COMPANIES
2,000 - 10,000 Service Connections

● CLASS C WATER COMPANIES
500 - 2,000 Service Connections

■ CLASS D WATER COMPANIES
Less than 500 Service Connections





Water Action Plan

- First adopted in 2005, updated in 2010
 - Following one of our wettest years in recent history
- Conservation placed at the top of the loading order as the best, lowest cost new supply source
- Business model changed from selling water to conserving water
 - 1% to 2% reduction in water use per year
- Utilities well on their way to a 20% reduction by 2020
 - Call for 20% more conservation in 2014





CPUC Drought Mitigation

February 27, 2014 – CPUC adopted Resolution W-4976

- Drought procedures for water conservation, rationing and service connection moratoria.
- Comply with Governor's call for 20% conservation

Tariff Rule No. 14.1

- Water Conservation and Rationing Plan
- Lists non-essential and unauthorized water uses

Tariff Schedule 14.1

- Mandatory rationing
- Requires DWA approval

All Class A utilities have voluntary conservation measures in place

CPUC monitoring vulnerable systems





2014 Focus

Nothing but drought!

Thank you.

Questions?

