Statewide Drought Update Julie Saare-Edmonds California Department of Water Resources





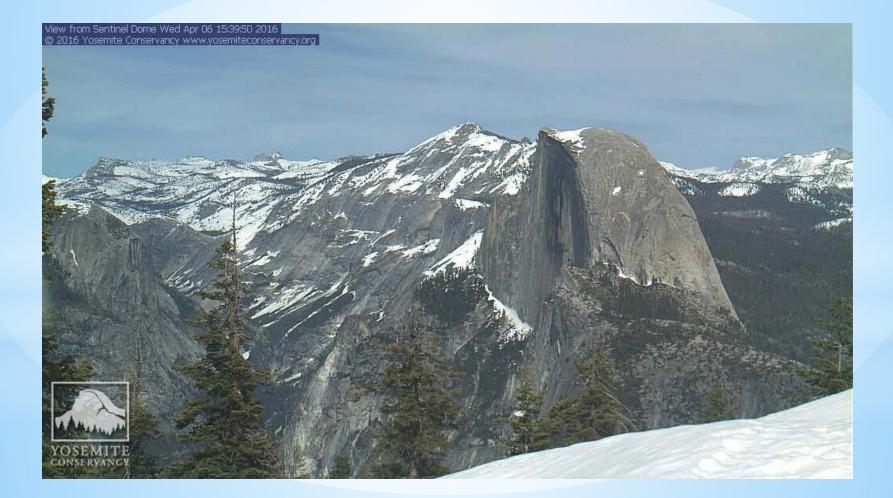


Yosemite Conservancy and Sacramento Bee













January 2014 Snow Survey Echo Summit



January 2013

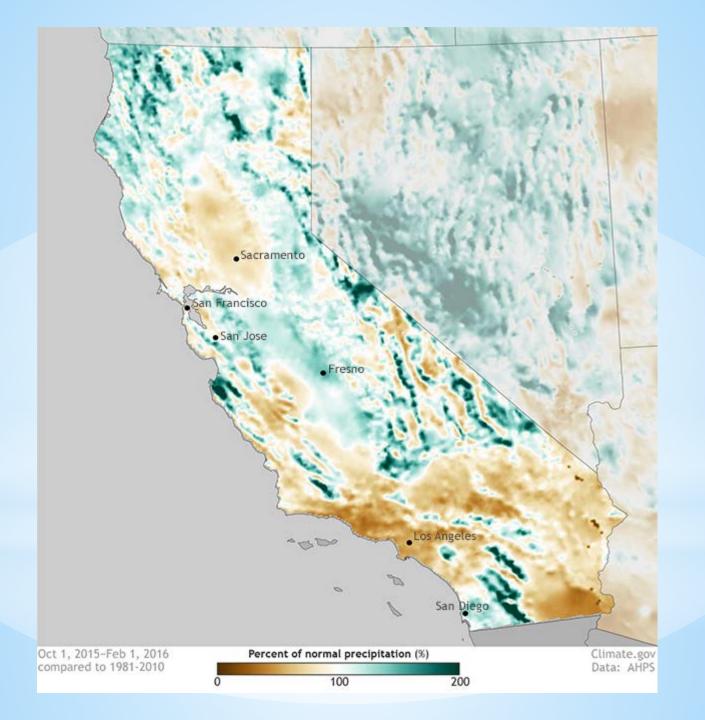
January 2014

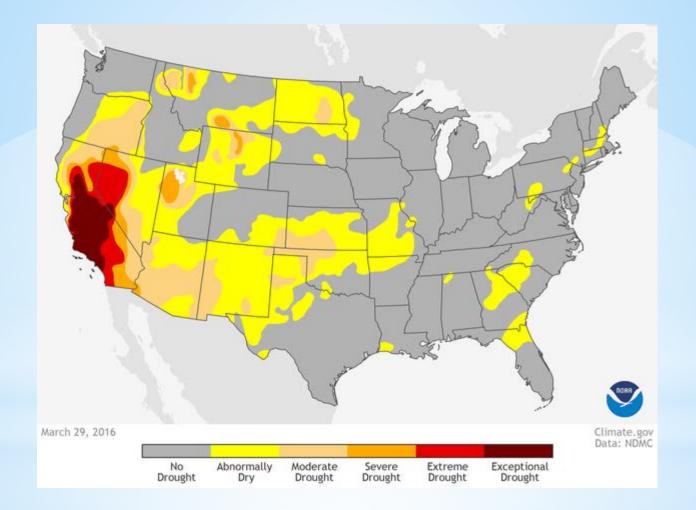
Even though the winter of 2012-2013 was a dry year, the snowpack in January 2013 was significantly higher than January 2014. A few spring storms improved snow conditions somewhat. Lake Tahoe is circled for reference.

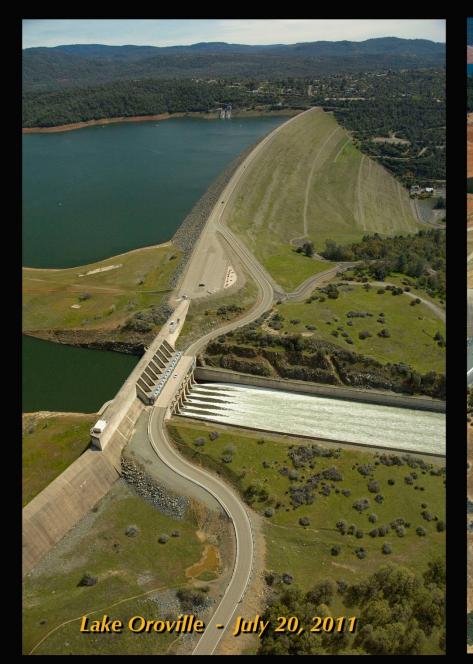


Feb 2014 (after a few storms)

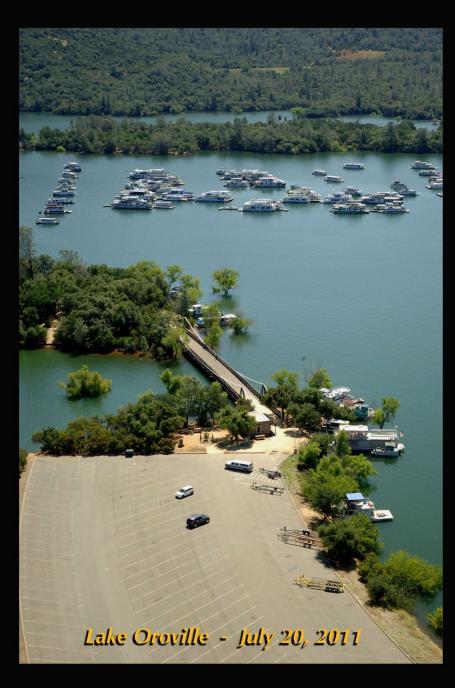
January 31, 3015

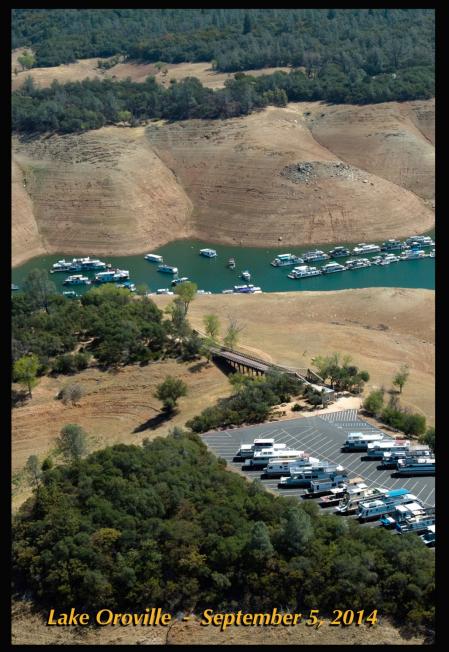




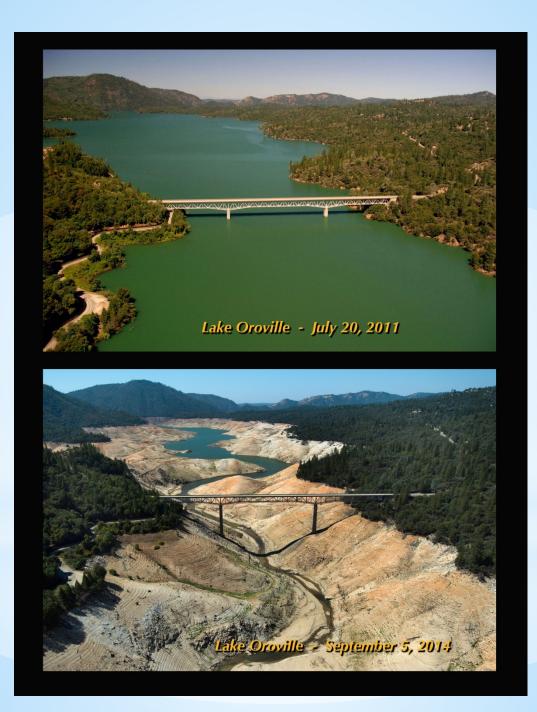














San Luis Reservoir –off stream storage



The State Water Project includes 34 storage facilities, reservoirs and lakes; 20 pumping plants; 4 pumping-generating plants; 5 hydroelectric power plants; and about 701 miles of open canals and pipelines.

The Project provides supplemental water to approximately 25 million Californians and about 750,000 acres of irrigated farmland through 29 urban and agricultural contractors. Grapevine



San Luis

california Aqueduct

* Federal

* USBR -Shasta, Folsom
* USACOE-Englebright, Mendocino, Sonoma

* Energy Utilities

* PG&E-Spaulding, Almanor
* SMUD- Union Valley, Ice House

* Water and Electrical Utilities

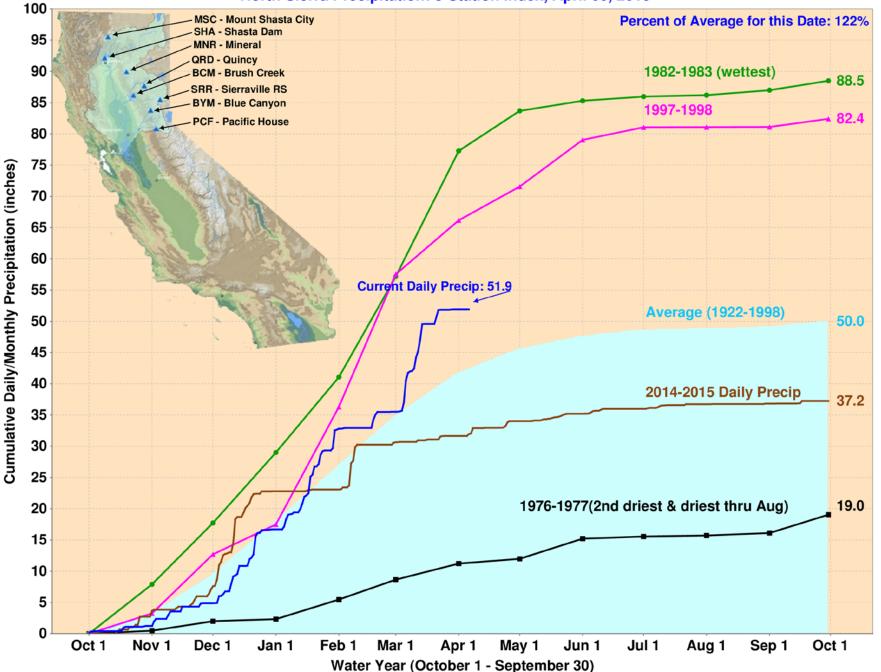
* EBMUD-Pardee
* Hetch Hetchy

* Local lakes, rivers and creeks

* Groundwater

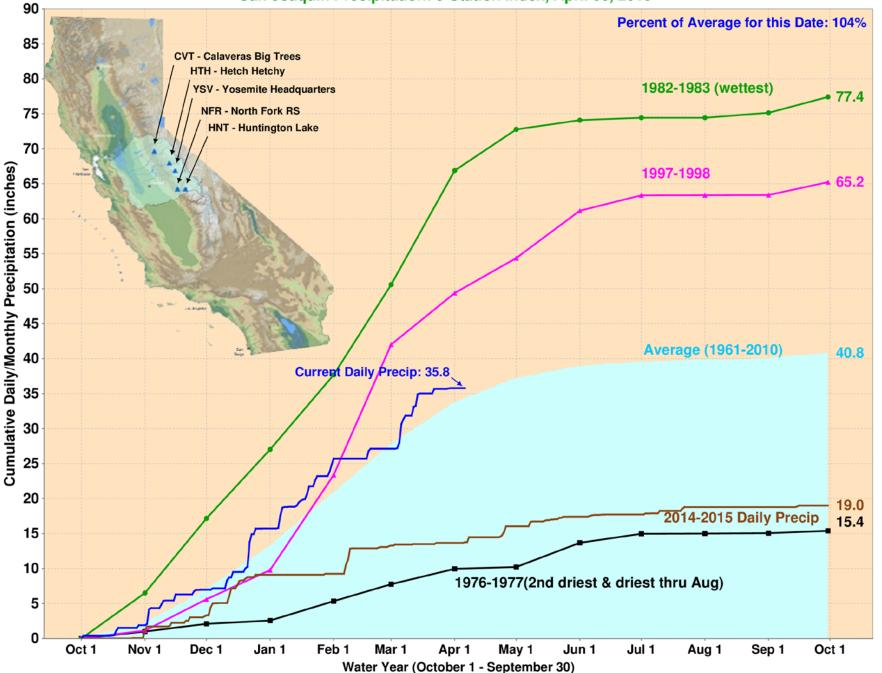
*Other sources make up the rest.

North Sierra Precipitation: 8-Station Index, April 06, 2016

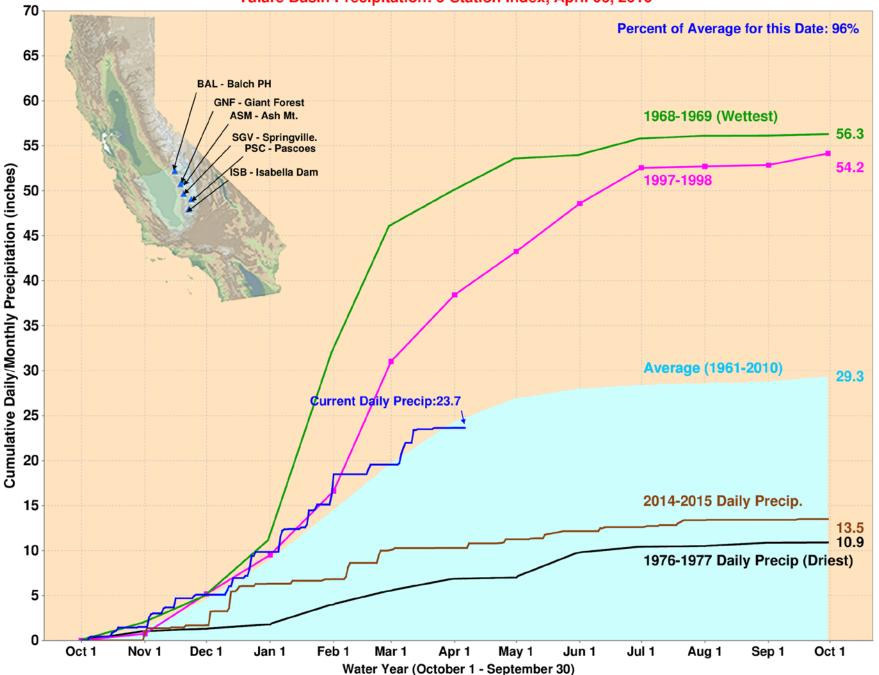


Total Water Year Precipitation

San Joaquin Precipitation: 5-Station Index, April 06, 2016



Total Water Year Precipitation

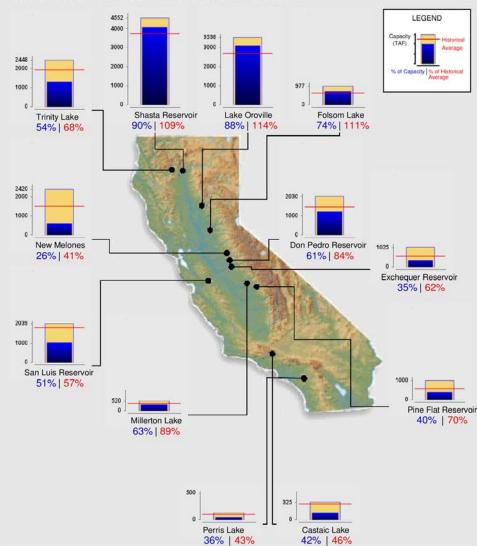


Tulare Basin Precipitation: 6-Station Index, April 06, 2016

Total Water Year Precipitation



Ending At Midnight - April 5, 2016



CURRENT RESERVOIR CONDITIONS

Graph Updated 04/06/2016 08:15 AM

Reservoir Conditions - Shasta Reservoir

Lake Shasta Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 5, 2016

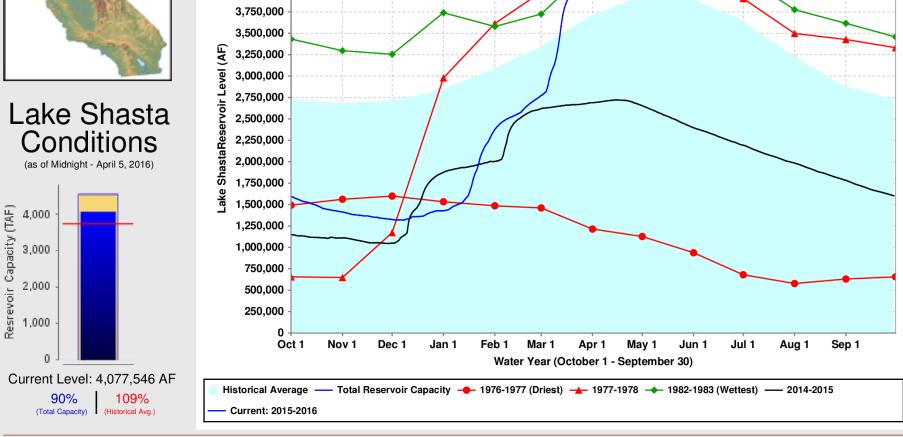
4.077.546 AF



4,750,000 4,500,000

4,250,000

4,000,000



Total Reservoir Capacity: 4,552,000 AF

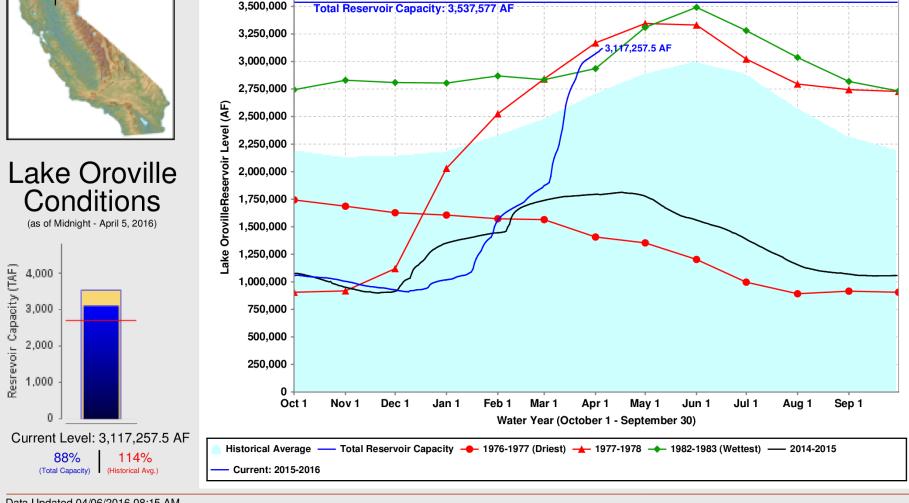
Data Updated 04/06/2016 08:15 AM

Reservoir Conditions - Lake Oroville

Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 5, 2016



3,500,000

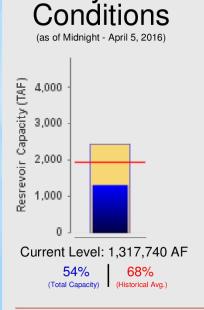


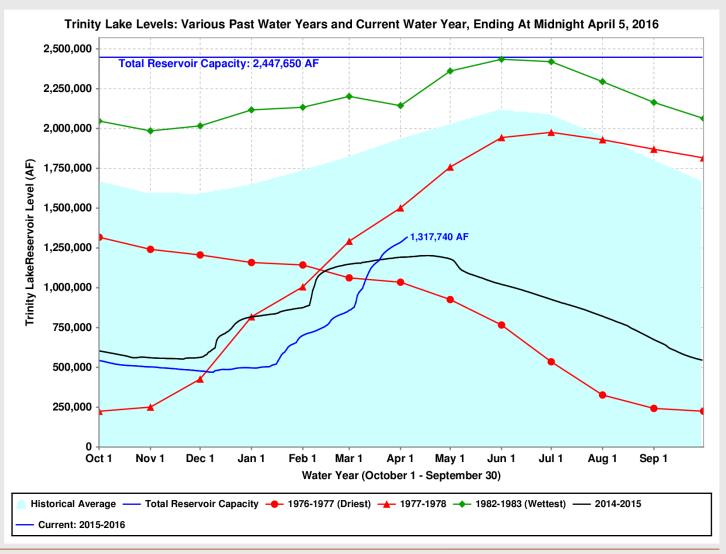
Data Updated 04/06/2016 08:15 AM

Reservoir Conditions - Trinity Lake



Trinity Lake



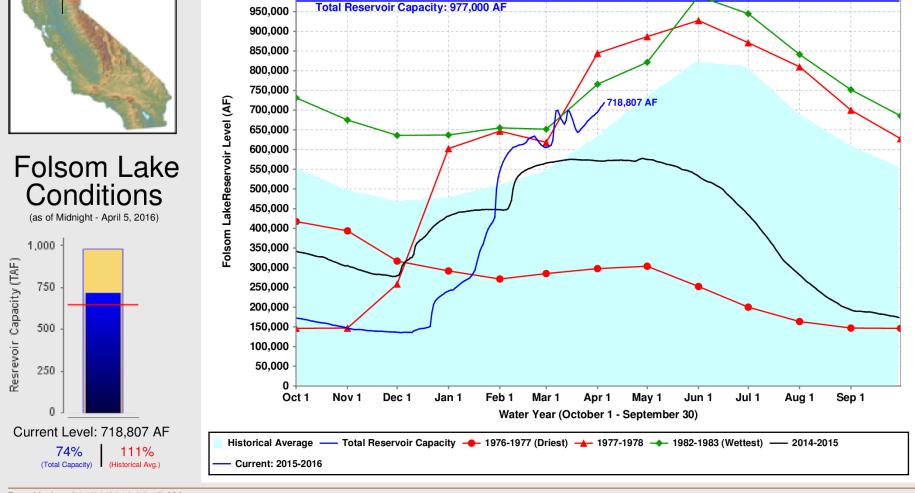


Reservoir Conditions - Folsom Lake

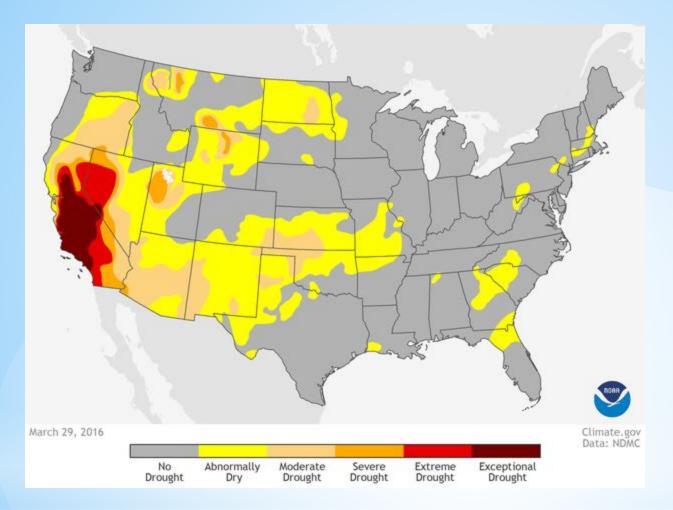
Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 5, 2016



1,000,000



Data Updated 04/06/2016 08:15 AM



Drought proclamation has been extended until at least October 2016



* Landscapes are Important.







April 1, 2015- Snow Survey-No Snow

*Stakeholder webinar/listening sessions

- IA/ASIC-irrigation experts
- CLCA-landscape contractors
- ASLA-landscape architects
- APLD-landscape designers
- BIA-building industry
- CUWCC Landscape Committee
- City, County, Water Suppliers
- CANGC-nursery growers and garden centers

*What we have heard so far on Efficient Irrigation Systems:

- *Run times (drip) and multiple runtimes, Sensors
- *Master valves
- *Pressure regulation
- *Flow Sensors
- *Hydrometers
- *Lower ETAF
- *More emphasis on soils

*What we have heard so far on Graywater Systems:

*Don't require use of graywater

- *Research with Art Ludwig and Brad Lancaster sources
- *Appropriate products (soaps and detergents)
- *Concern over salts and pH
- *Encourage double plumbing of new buildings
- *Reinforce plumbing code requirements on local agencies

*What we have heard so far on stormwater:

- *Dry stream beds
- *Drywells
- *Living soils, compost and mulch
- *Sometimes esthetically unappealing
- *Costs
- *Favor bio-retention
- *Bioswales
- *Don't require raingardens

*Have we have heard so far on turfgrass:

- *Warm season only
- *Backyards, sports fields only
- *Avoid invasive plants in shrubs beds
- *Some supply issues for short term, contract growing for long term
- *Turf growers are hard hit by drought

- *Drought conditions + watering restrictions = tree decline and loss statewide
- *Governor's office asking for consistent messaging
- *DWR working with CalFire to produce an easy to read brochure young trees and established trees
- *Will be distributed to all agencies, non-profits, etc.



*HOA's can't prohibit drought response

*Prohibits an HOA from imposing a fine or assessment against a member (homeowner) for reducing or eliminating irrigation during a drought emergency declared by the Governor or local government.

*HOA's can't prohibit Cash for Grass

*An HOA's landscaping guidelines or policies are void and unenforceable if it prohibits the use of low water plants as a replacement for existing turfgrass.

*AB 2104 (2814)





http://www.saveourh2o.org/

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