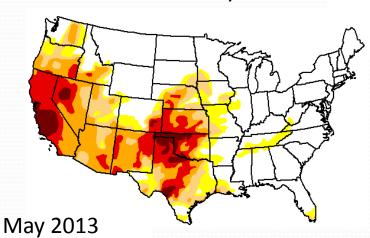
From North to South – California's Response and Action during the Drought

Dawn Taffler, PE, LEED^{AP}
Past-President NorCal Chapter
(now Los Angeles Resident)

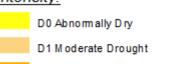


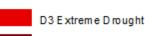
US Drought Monitor

May 2014



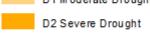






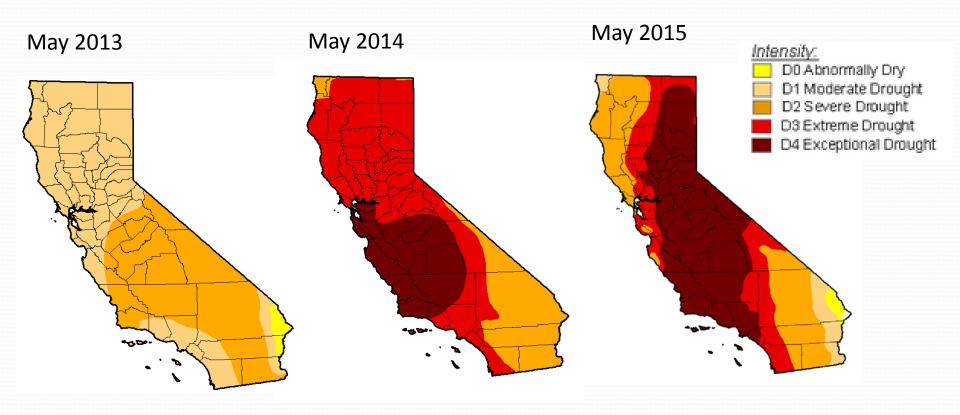
D4 Exceptional Drought

May 2015



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

California Drought Monitor





Shasta Lake



Lake Oroville Poster Child for Drought





California's second largest reservoir.









Chesbro Reservoir in Morgan Hill, CA

@ 1% capacity with intake structure exposed

Lake Mead

.... approaches its lowest water level in 80 years.

Source: Reuters 4/2015



Response and Action in 2014

2014	Activity/Milestone
Jan	Governor Brown declares Emergency Drought Declaration
Jan	DWR Drops State Water Project Allocation to Zero
Mar	\$800 mil in loans available at < 1% under SWRCB SRF Program
Mar	First meeting of the DPR Expert Panel
Apr	SWP Allocation Increase back to 5%
May	Water Resources Reform & Development Act Signed into Law
Jun	SWRCB Finalizes GWRR Regulations
Jun	Statewide General Permit
Jun	Shift CDPH to DDW at SWRCB
Nov	Water Bond Passes!
Nov	Prop 84 Drought Relief = \$221M for CA RW Projects (\$32 M for SF Bay Area)
Dec	Initial State Water Project Allocation Set at 10 Percent
Dec	DWR: Updated Report: Groundwater Resources Depleted By Drought

Response and Action in 2015

2015	Activity/Milestone
Jan	DWR Plans for Possible Need of Delta Salinity Control Barriers
Feb	State Water Board looks into Senior Delta Water Right holders
Mar	Draft Release of SWRCB Prop 1 Chapter 9 Guidelines
Mar	Governor Brown Signs \$1 Billion Emergency Drought Package
April	CPUC Orders Water Companies to Notify Customers of Drought Restrictions
April	Governor Brown Directs First Ever Statewide Mandatory Water Reductions
	(25% reduction in potable urban water usage)
May	Governor's proposes \$475 million in additional funding for RW
May	Construction Begins on Emergency Drought Barrier in Delta
June	SWRCB Prop 1 Chapter 9 Guidelines to be Adopted (June 16)
June	Governor calls for Streamlining CEQA for water projects

Direct Potable Reuse Momentum Continues

- SB 918 DDW to investigate and report to legislature on the feasibility of developing Direct Potable Reuse criteria by Dec 31, 2016
- California Direct Potable Reuse Initiative raised \$13.6 million (donation and in-kind)
- 34 DPR Research Projects have been funded at \$5.8 million
- NWRI DPR Expert Panel— 5 meetings
- DPR Advisory Group 5 meetings

IPR Momentum 3,500 AFY
IS REAL

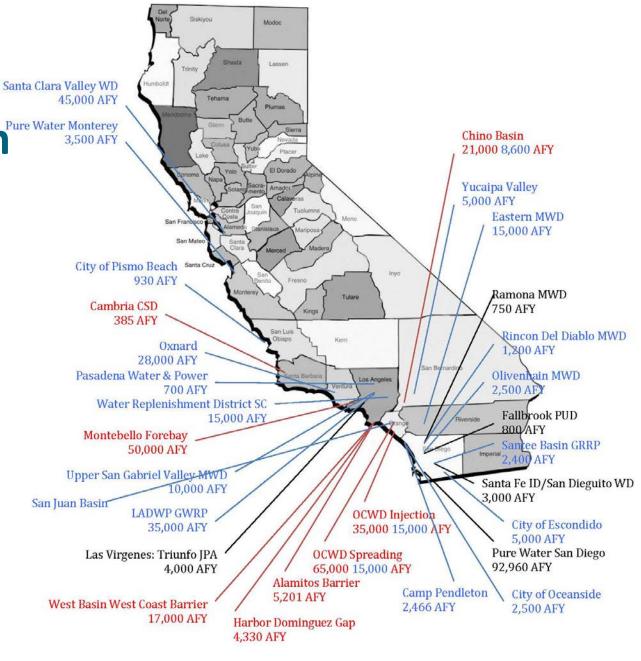
Red = Permitted GWRR 200,00 AFY

Blue = Planned GWRR >210,000 AFY

Black = Planned SWA >100, 000 AFY



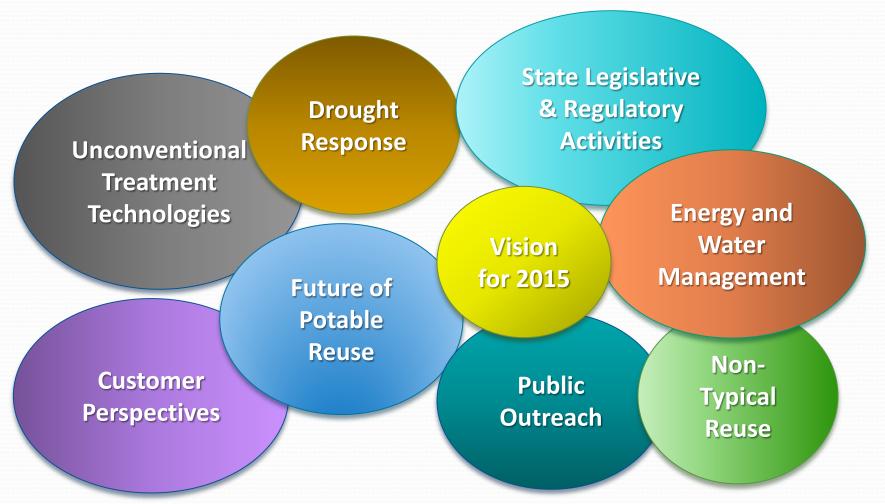
(June 5, 2015)



Public Support is Evident

- San Jose Plant Turns Bathroom Wastewater Into Drinking Water κΑΒC TV, Los Angeles, 11/20/14
- San Diego City Council unanimously approves purifying sewage into drinking water – San Diego Union-Tribune, 11/19/14
- Pismo Beach moves forward on proposal to turn sewage into drinking water - San Luis Obispo Tribune 4/30/15
- California Governor Prepares Citizens for Coming 'Toilet to Tap'
 Concept The Blaze 5/22/15
- Californians may have to drink sewage as drought crisis continues -Newsweek, 5/26/15
- Turning sewage into drinking water gains appeal as drought lingers LA Times, 5/25/15

Finger on the Pulse of the Reuse



NorCal Chapter Meeting Topics: 2013 to 2015

new water resource



pathogens?



will it make my family sick?

the redwoods?

is recycled water too expensive to produce?

Is run-off into our streams and oceans going to sicken the wildlife?

can recycled water help alleviate the drought?

Recycled Water

MYTHS AND **FACTS**

will using recycled water adversely affect my irrigation system?

have other options such as greywater, rain catching and desal been explored?

have the laws regulating recycle water changed?

contaminants?



WANT YOUR QUESTIONS ANSWERED?

Join us at the next Northern California WateReuse Association Meeting

MYTHBUSTERS

Friday, June 5, 2015 9:00 AM - 1:00 PM City of Santa Rosa 35 Stony Point Rd, Santa Rosa



Recycled Water "Myth Busters"



NorCal Chapter Meeting **Distinguished Panel** Santa Rosa, CA June 5, 2015

It takes MANY

















Santa Clara Valley Water District







WHITLEY BURCHETT & Associates







































It takes LEADERS...











We are in this TOGETHER... North & South



NorCal Chapter Officers (2013-14)

Left to Right

- Cindy Bertsch
- Sanjay Reddy
- Courtney Rubin
- Pam John
- Curtis Lam
- Dawn Taffler
- Rhodora Biagtan

* Dave Smith

THANK YOU

Dawn Taffler, PE, LEED^{AP}
Chapter Trustee on the WRCA Board
2015-2016

