



PANEL 1A – LOCAL ISSUES: SURVIVING A ZERO ALLOCATION YEAR

**MODERATOR: JAVIER SAUNDERS – WATER/WASTEWATER
MARKET AND PRACTICE DIRECTOR, HARRIS & ASSOCIATES**

- **ROBERT CRAIG – BOARD CHAIRMAN, CHINO BASIN
WATERMASTER**
- **LARRY MCKINNEY – GENERAL COUNSEL, SAWPA**
- **JEFF SIMS – ASST. GENERAL MANAGER, WESTERN
MUNICIPAL WATER DISTRICT**

"Panel 1A - Surviving A Zero Allocation Year"



Panel

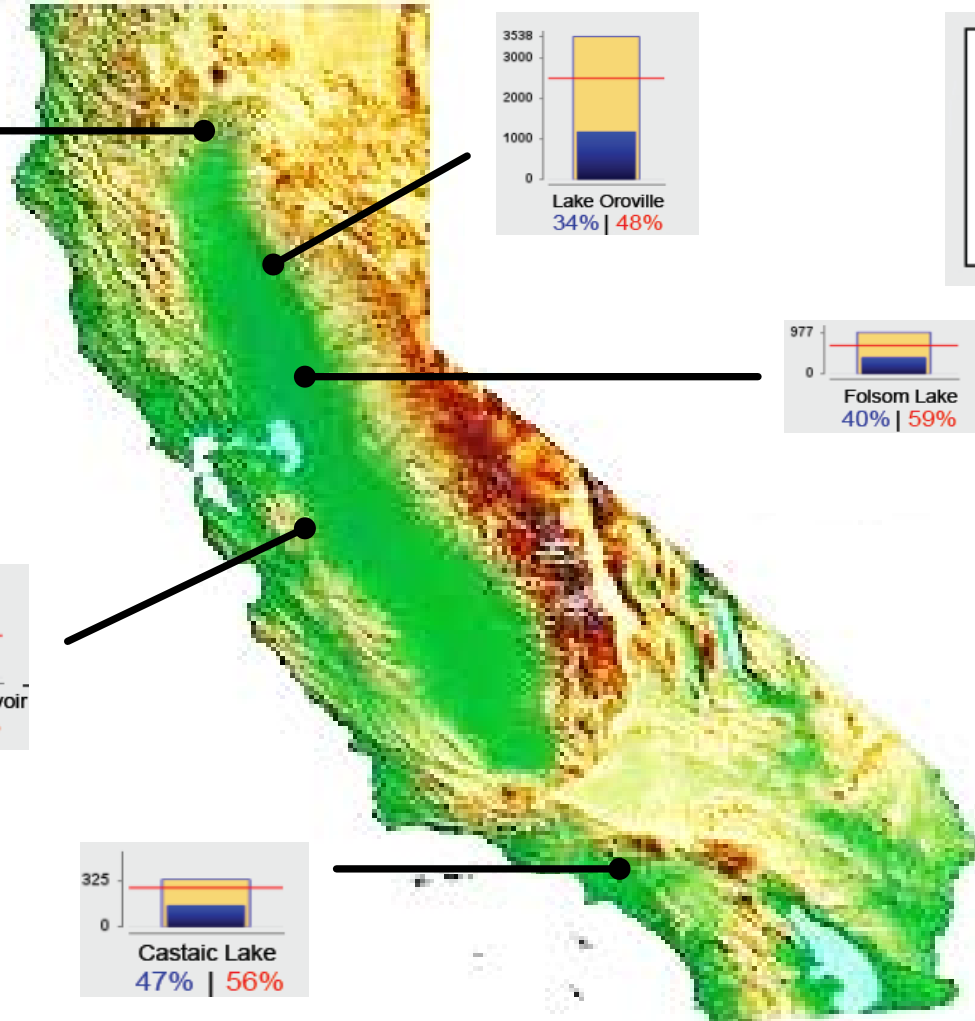
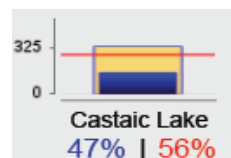
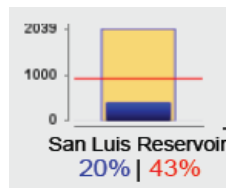
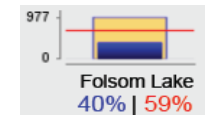
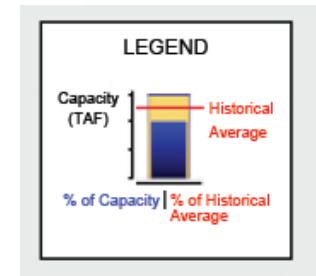
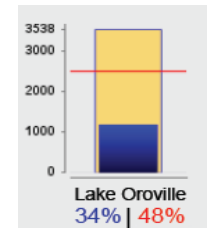
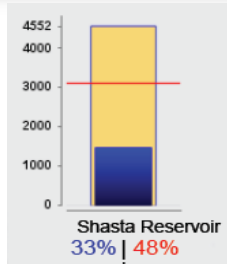
- **Robert Craig** - Board Chairman, Chino Basin Watermaster
- **Larry Mckenny** - General Counsel, Santa Ana Watershed Project Authority
- **Jeff Sims** - Asst. General Manager, Western Municipal Water District

Moderator

- **Javier Saunders** - Water/Wastewater Market Director, Harris & Associates

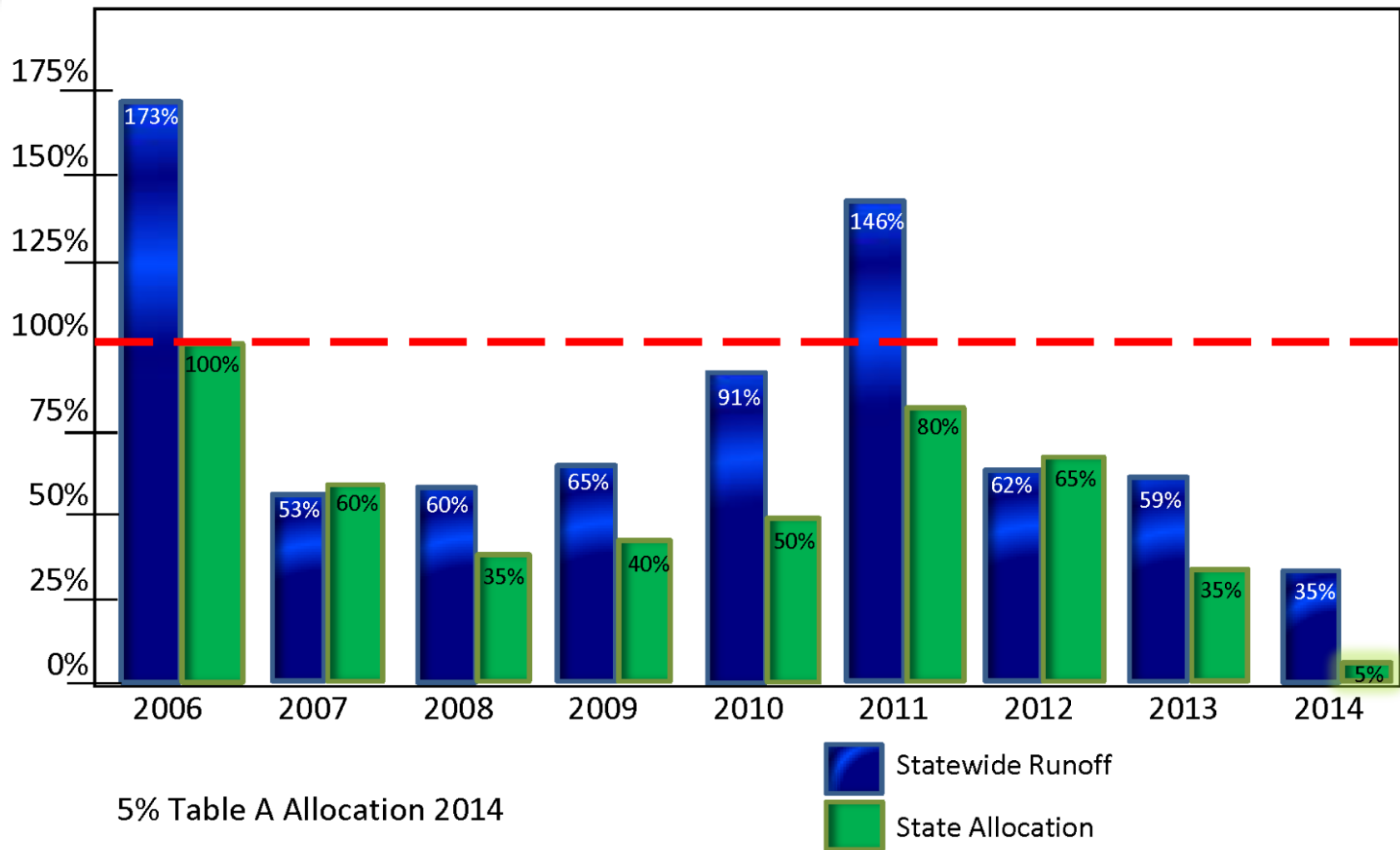
Current Reservoir Conditions

(Graph Updated 08/11/14 04:15 PM)



Source: DWR

Average Water Year Statewide Runoff Percentage of Average (Water Year: Oct. 1 – Sept. 30)



MWD 2014 Water Supply and Demand Balance

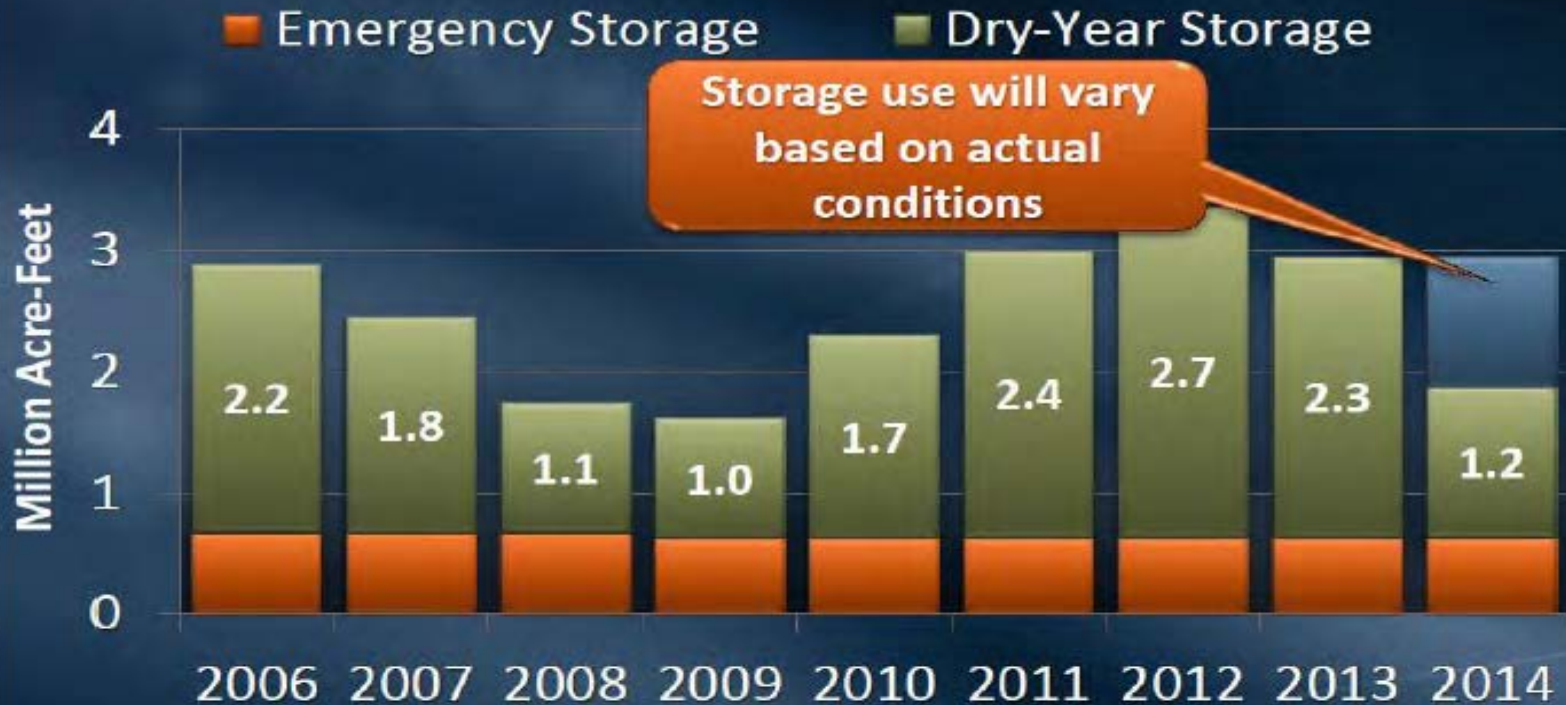
Water Balance	Acre – Feet
Total Supplies	1,038,000
<i>Colorado River</i>	935,000
<i>State Water Project</i>	103,000
Estimated Member Agency Demands	2,117,000
New Water Balance	-1,079,000

- Negative balance made up through storage and other supplies
- Actual balance may change as year progresses

Source: MWD June 10,2014 Water Planning and Stewardship Committee

MWD Storage Reserves

End of Year Balances*



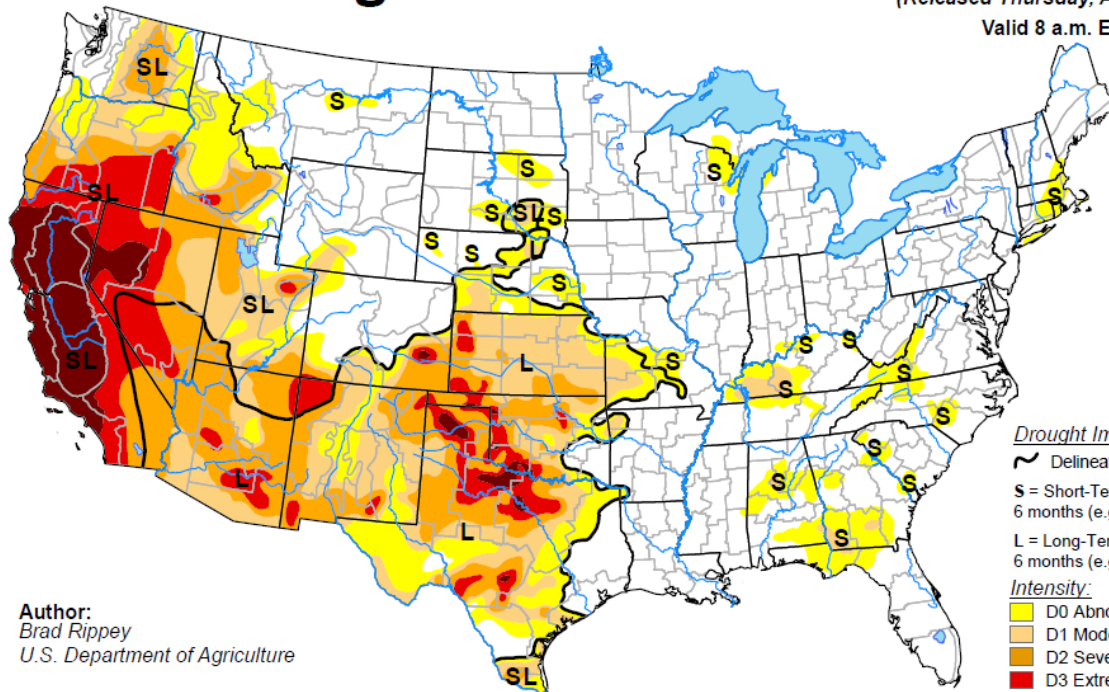
*Estimated actual storage balances, may be subject to change.

- MWD Expects to take 1.1 MAF (~50%) from storage reserves 2014
- Due to reduced storage reserves, MWD may implement its Water supply Allocation Plan in 2015 if conditions continue to be dry

Water Supply Conditions

U.S. Drought Monitor

August 5, 2014
 (Released Thursday, Aug. 7, 2014)
 Valid 8 a.m. EDT



Author:
 Brad Rippey
 U.S. Department of Agriculture

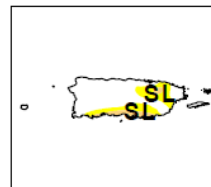
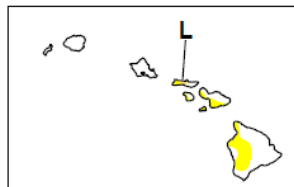
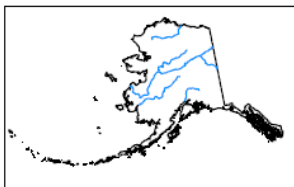
Drought Impact Types:

- Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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



<http://droughtmonitor.unl.edu/>

Governor Declares Drought Emergency /SWRCB Emergency Regulations

- January 2014 Governor call's for increased conservation seeking 20% conservation
- Water Shortfall continues due to ongoing severe drought
- July 15, SWRCB passes emergency regulations
 - Increase urban water conservation
 - Preserve State's water supplies
 - Triggers mandatory outdoor water restrictions

Dry fields and bare trees in Central Valley



Lake Oroville January 2014



Santa Ana River Watershed Location Map



Western Municipal Water District



San Bernardino Water Conference

Jeff Sims

AGM/Chief Operating Officer

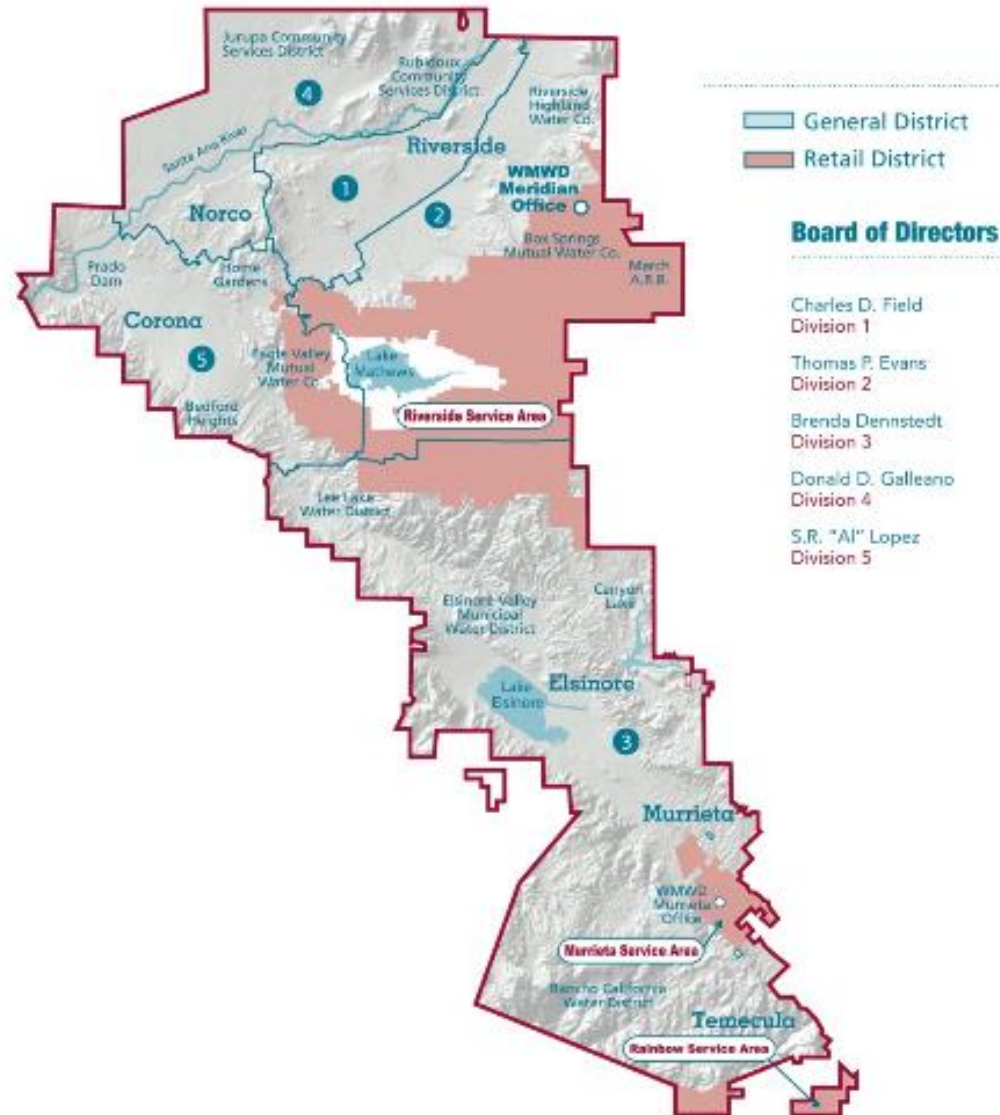
August 2014



Securing Your Water Supply

WESTERN SERVICE AREA

- 527 square miles of western Riverside County
- Population of nearly 900,000 ... 1.5 million by 2030
- 8 retail agencies
- 23,000+ retail customers
- 85,000 acre-feet of water annually
- 435 miles of pipelines
- 38 water storage reservoirs



LONG-TERM SUPPLY RELIABILITY

- Stormwater capture and recharge
**ARLINGTON RECHARGE
RIVERSIDE COLLABORATION
SEVEN OAKS**
- Brackish groundwater desalinization
CHINO DESALTER
- Supply reliability
LA SIERRA PIPELINE
- Recycled water utilization
**WRCRWA & WWRF EXPANSIONS
WITH TERTIARY TREATMENT**



Western Municipal Water District Reliability Projects



D
Chino II Desalter

Chino Basin

Chino II Product Water Pipeline (in construction)

Riverside/Arlington Basin

Arlington Desalter Pipeline

Arlington Desalter

D
Proposed La Sierra Pipeline

Mills Gravity Line

Temescal Basin

