



# Orange County Drought Performance & Water Supply Report

April 27, 2016

Municipal Water District of Orange County

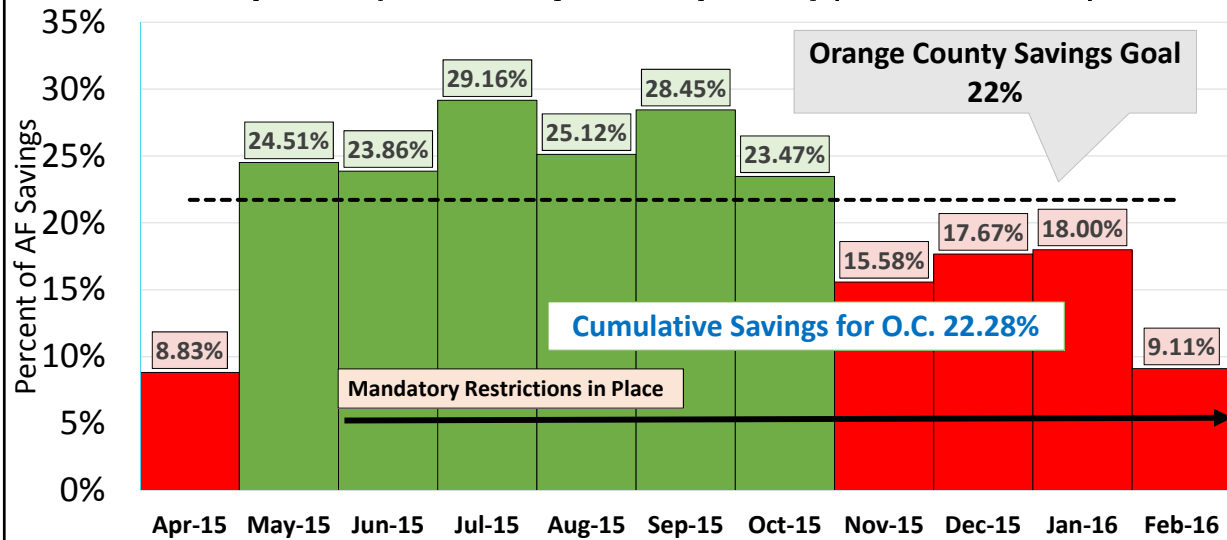
## O.C. Water Conservation



## O.C. Water Savings Reported to SWRCB

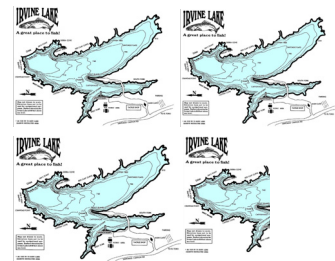
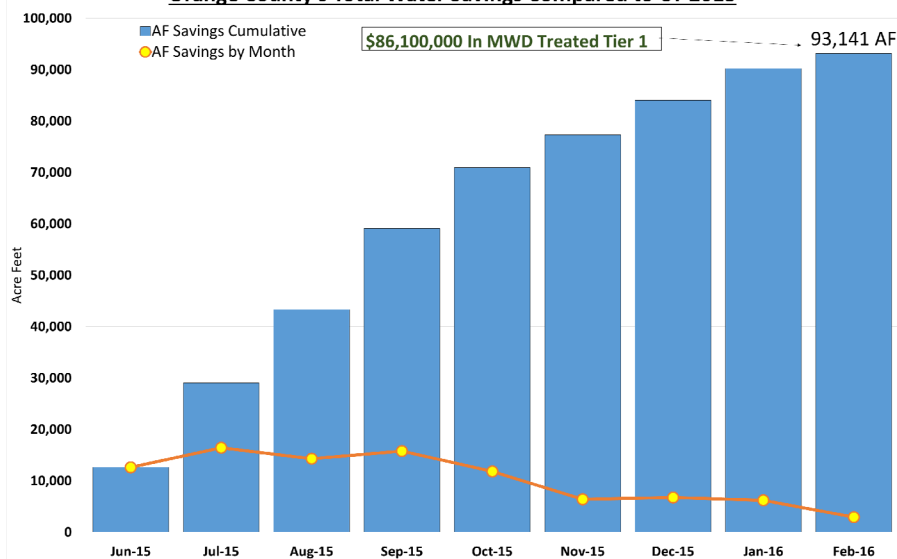


### Average Monthly Water Savings for Orange County (2014-15 Vs CY 2013)



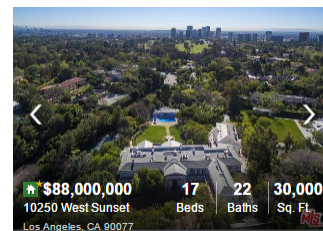
## O.C. Water Saving (Cumulative)

### Orange County's Total Water Savings Compared to CY 2013



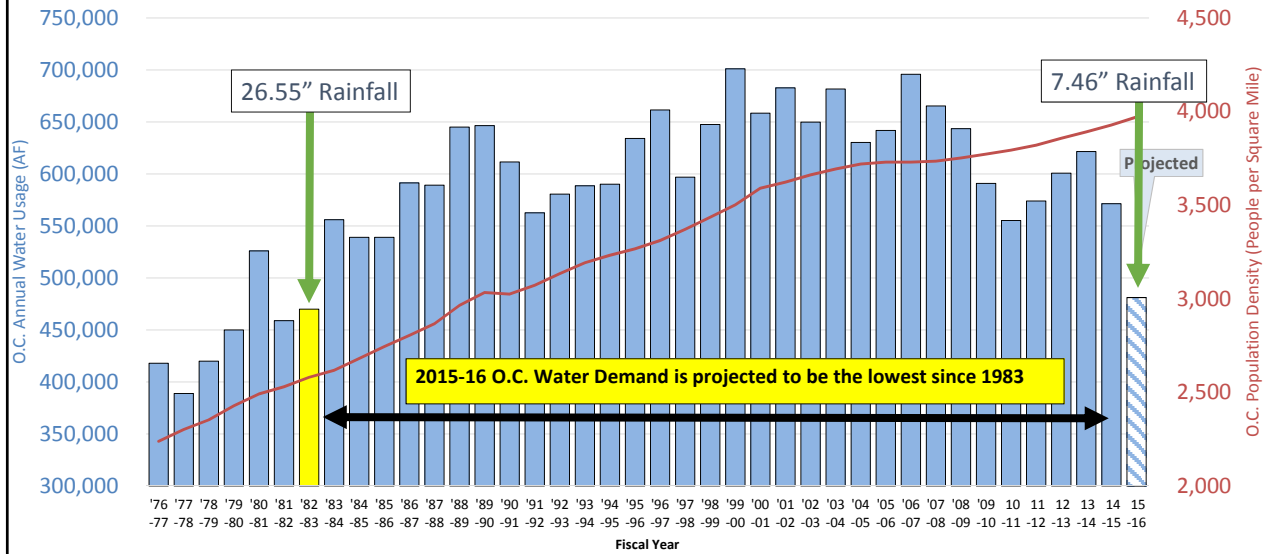
### 3.5 Irvine Lakes

**\$86 Million MWD Treated Imported**

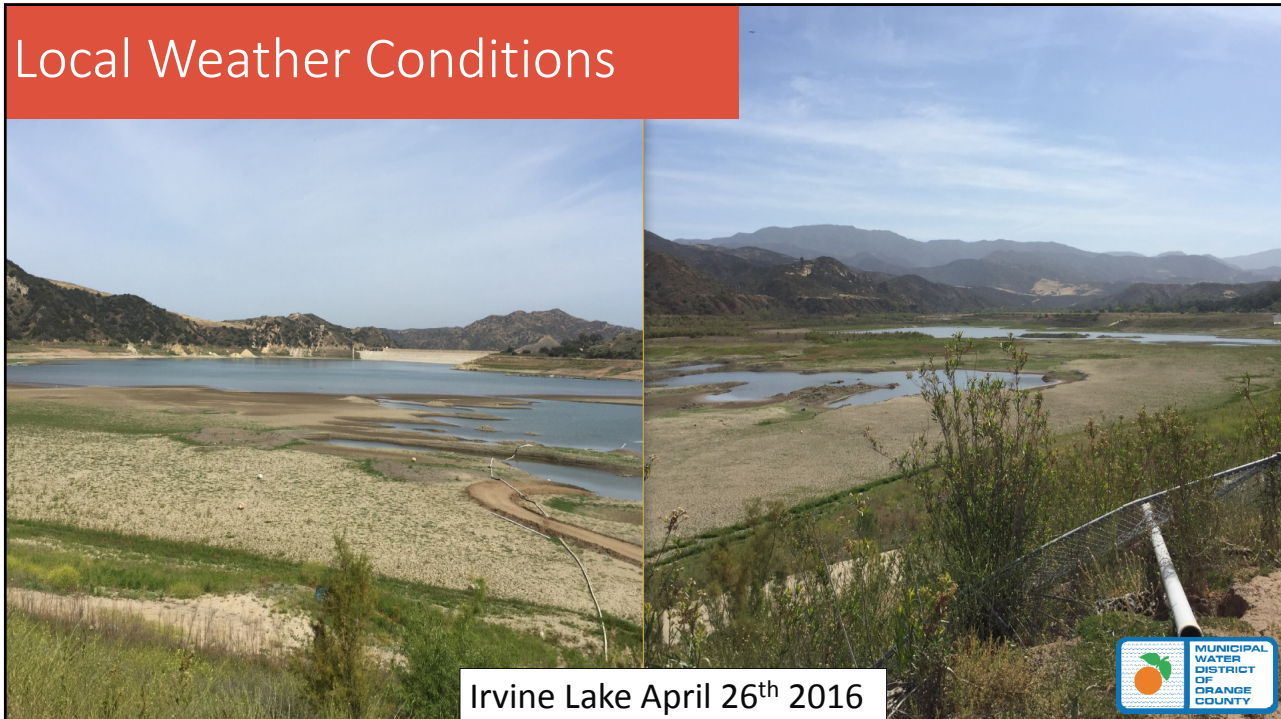




## O.C. Historical Water Usage



## Local Weather Conditions



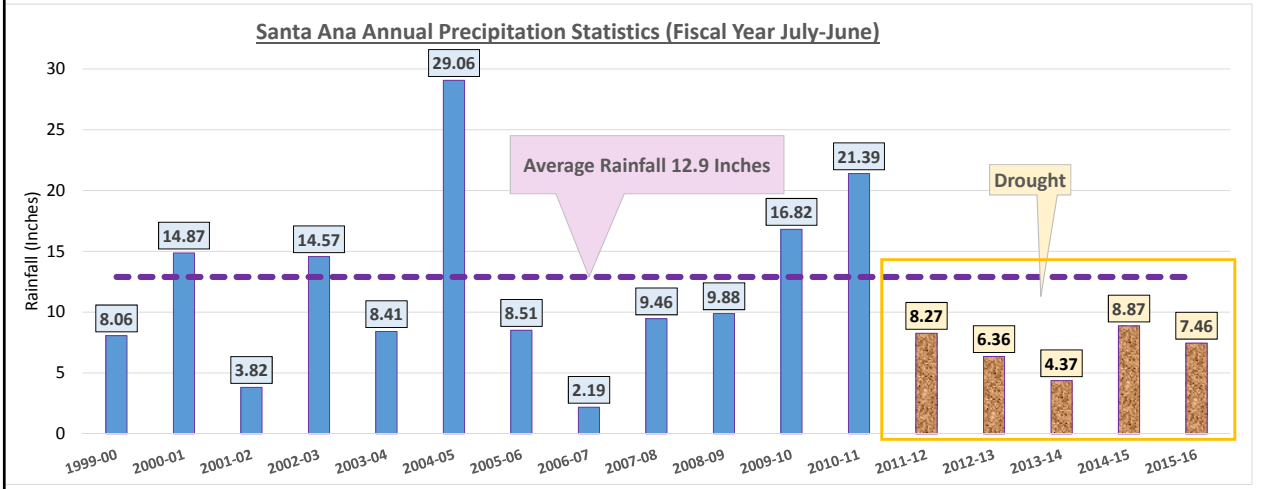
## FY Annual Precipitation (Santa Ana)



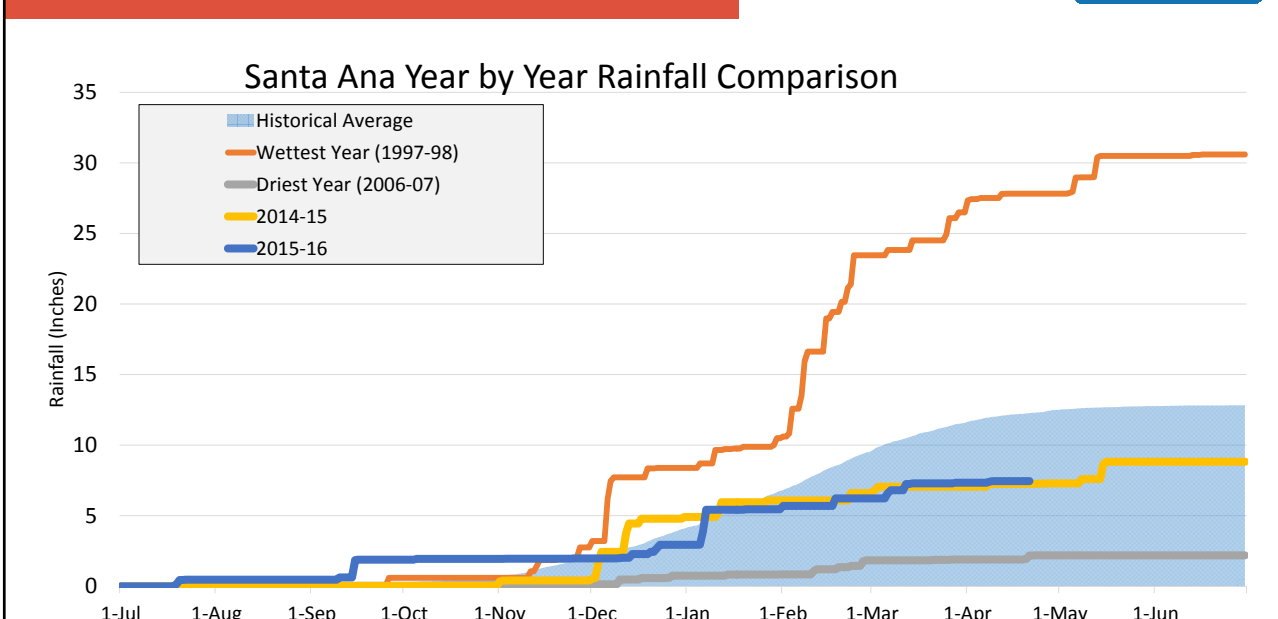
### Cumulative Year-to-Date

Average Rainfall to Date: **12.56"**

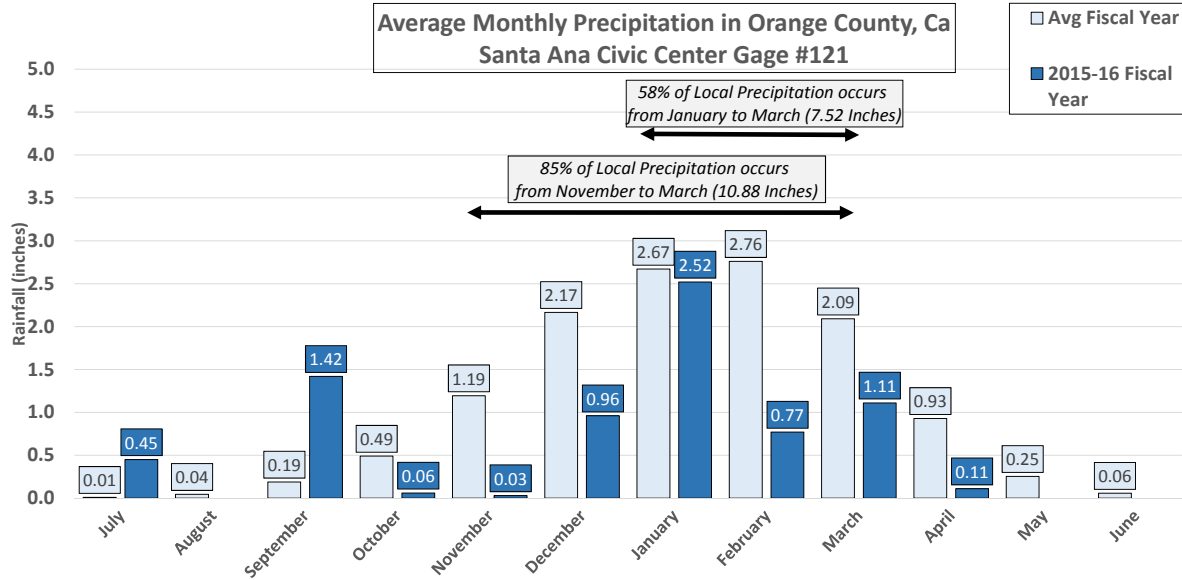
2015-16 Rainfall to Date: **7.46"** **5-Year Deficit: 28.88" (2011-12 to Present)**



## FYD Rainfall Compared to Past



## 2015-16 FY Rainfall



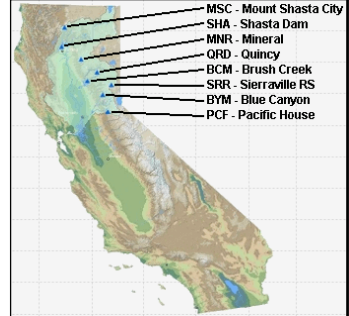
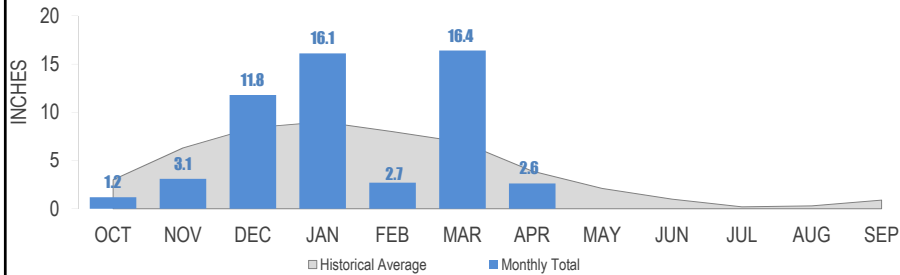
## Regional Weather and Water Supply Conditions



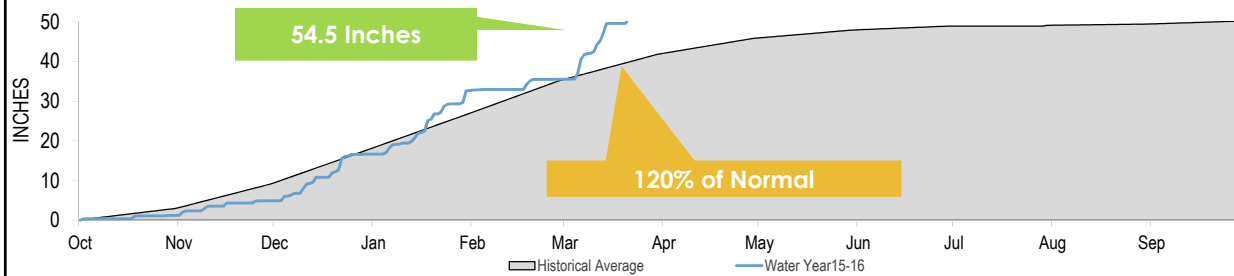
## Northern California Accumulated Precipitation



Monthly Precipitation (8 Station Precip Index)



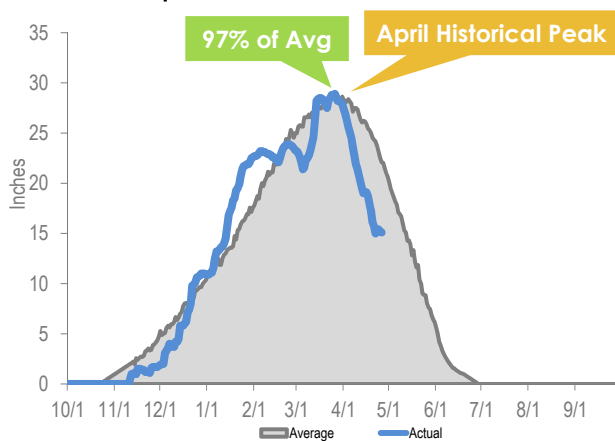
Accumulated Precipitation (8-Station Precip Index)



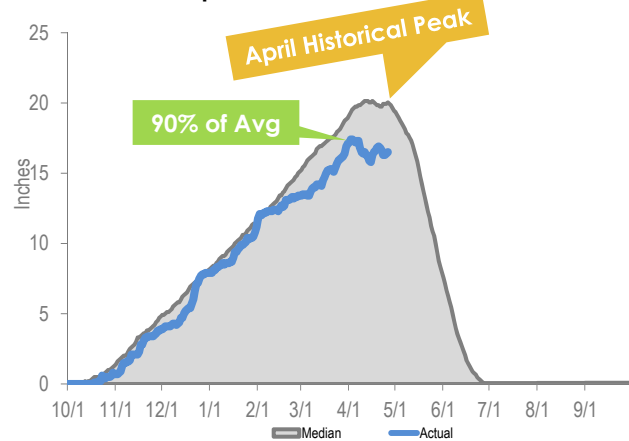
## Snowpack



Northern Sierra Snowpack Water Equivalent

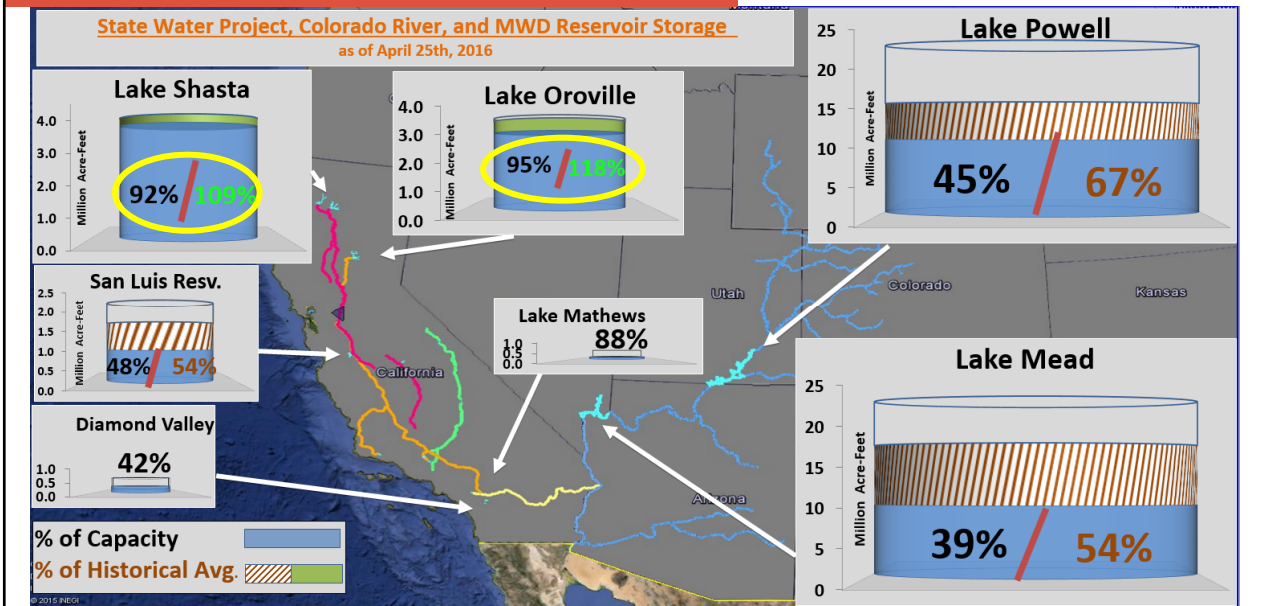


Colorado River Basin Snowpack Water Equivalent

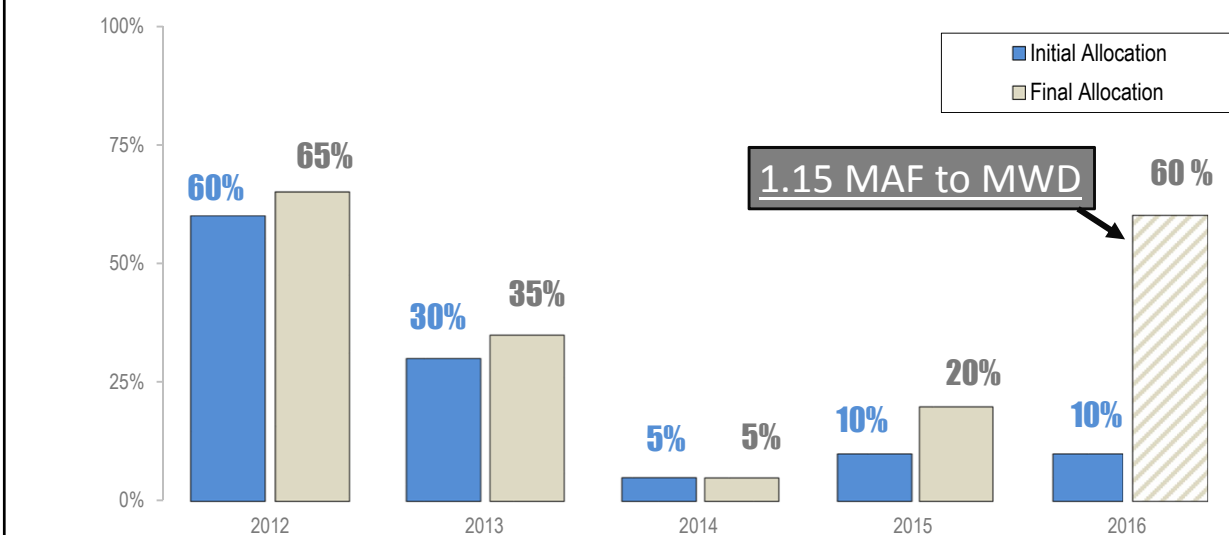




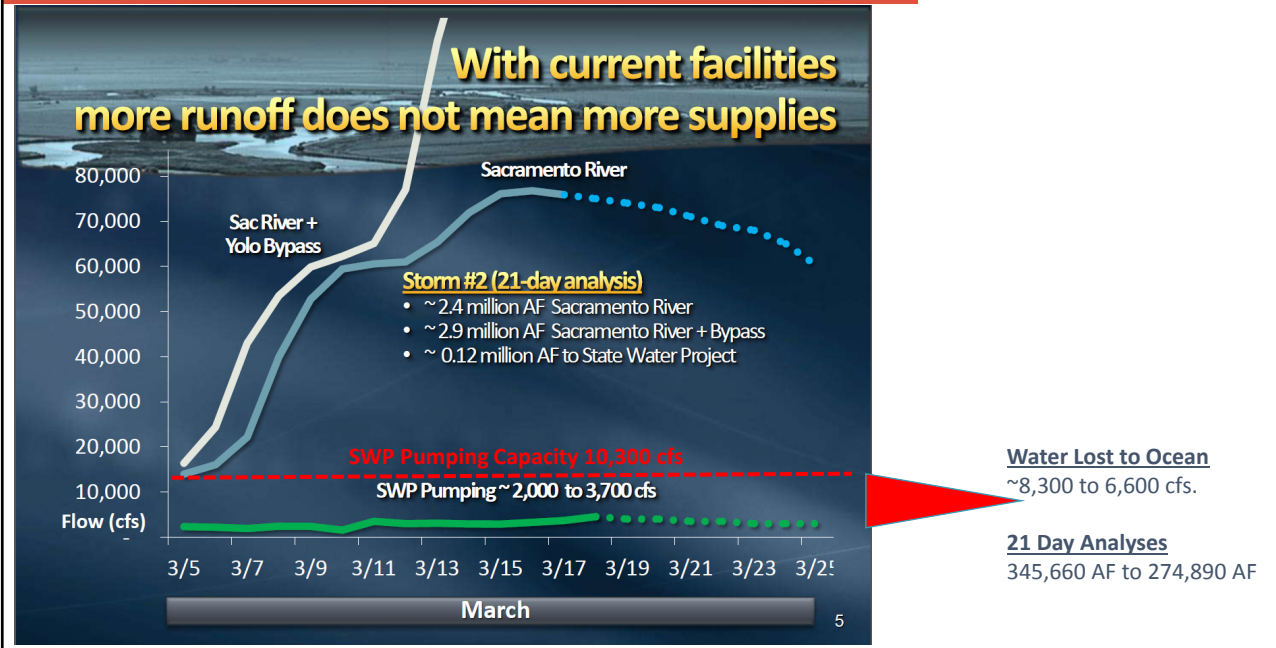
# Reservoir Storage



## Table A SWP Allocation



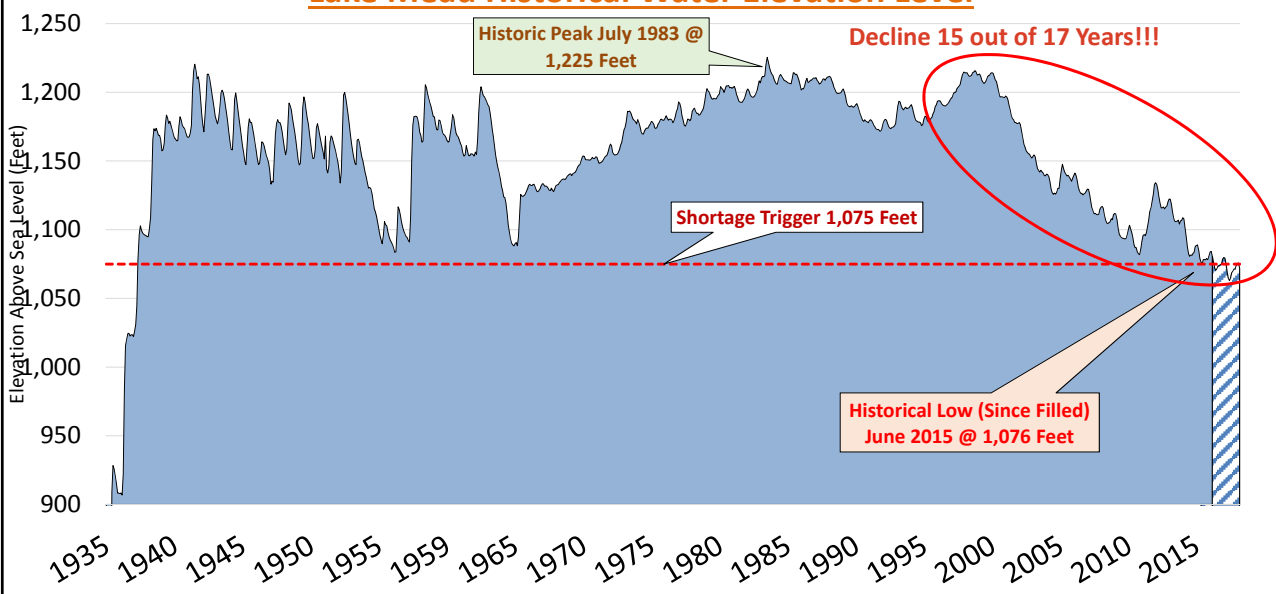
## Delta Pumping Restrictions March 2016



## CRA Storage

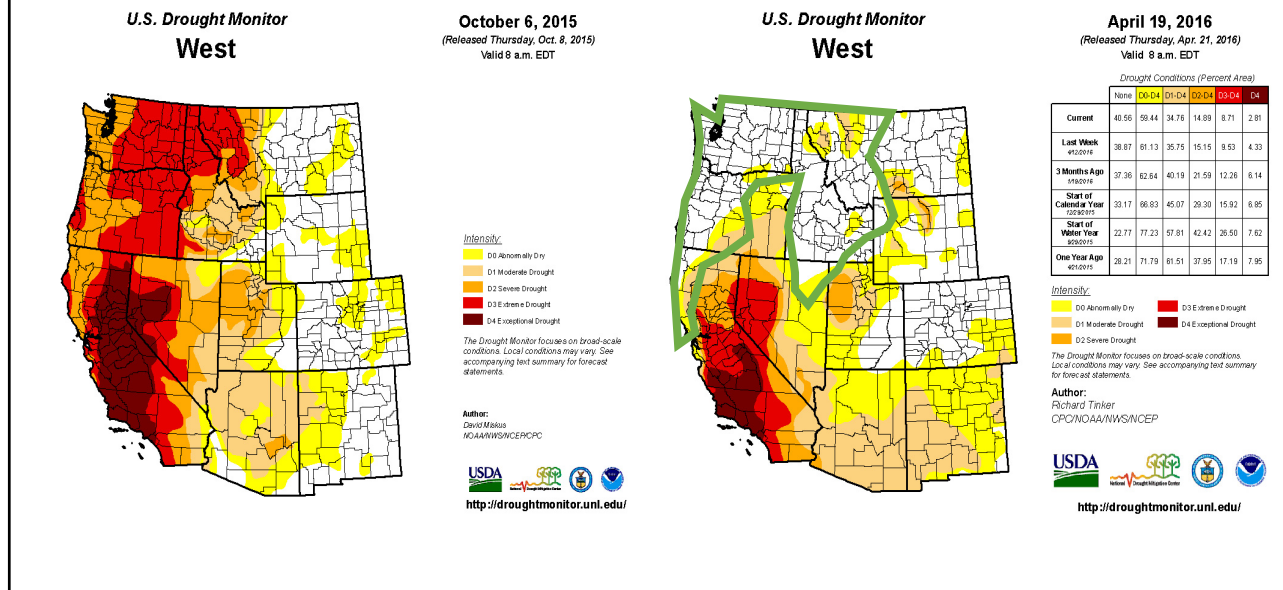


### Lake Mead Historical Water Elevation Level





## Drought Improvement in 2016



## Water Supply Conclusions

- 💧 Water Supply Conditions are normal to slightly above normal in Northern California resulting large increase in reservoirs storage.
- 💧 Water Supply conditions in Southern California are below normal for the **5<sup>th</sup>** straight year.
- 💧 Table A allocation is now at **60 %**, which is about **1.2 MAF** of water to MWD.
- 💧 MWD is projecting a supply of **2.2 MAF** resulting in **0.5 MAF** being put into storage. Good chance allocations will be lifted.
- 💧 The Colorado River system continues to be in decline and there is a possibility of a shortage in CY 2018.
- 💧 The majority of California is still in a drought and these conditions will continue until next winter (Hopefully it is wet next year).





Questions