



Water Supply Conditions

Kevin Hostert, Water Resources Analyst
Municipal Water District of Orange County

April 25th 2018



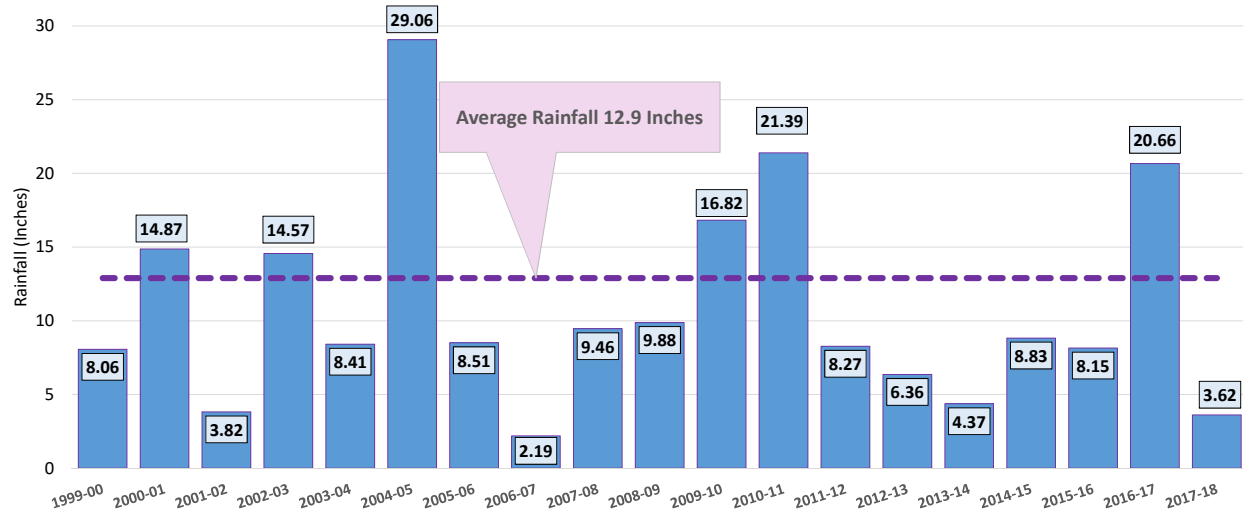
Orange County Weather and Water Supply Conditions

Insight to local weather conditions that affect California's water supply

Santa Ana Precipitation



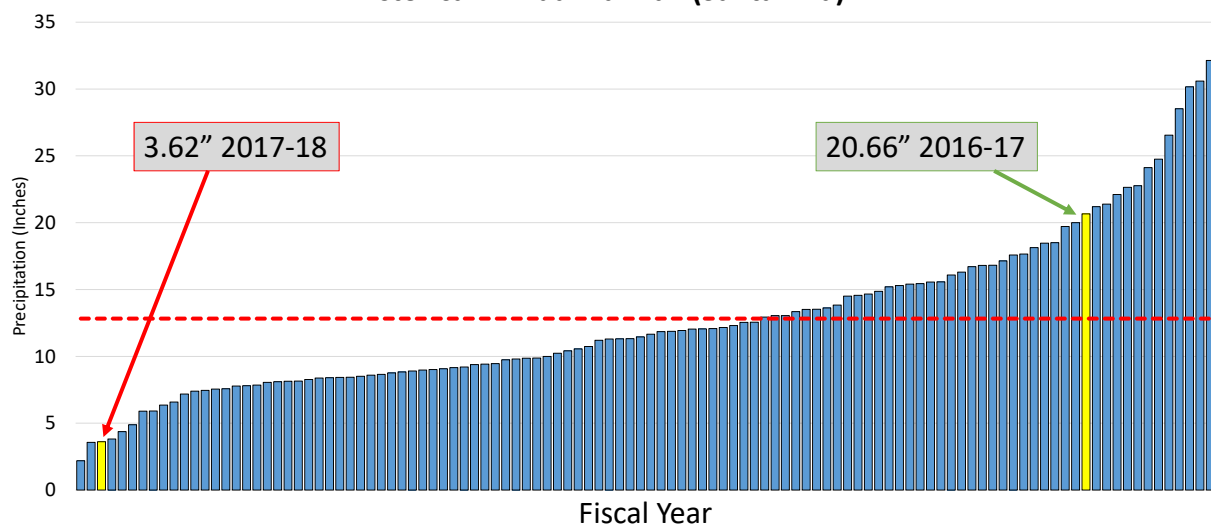
Santa Ana Annual Precipitation Statistics (Fiscal Year July-June)

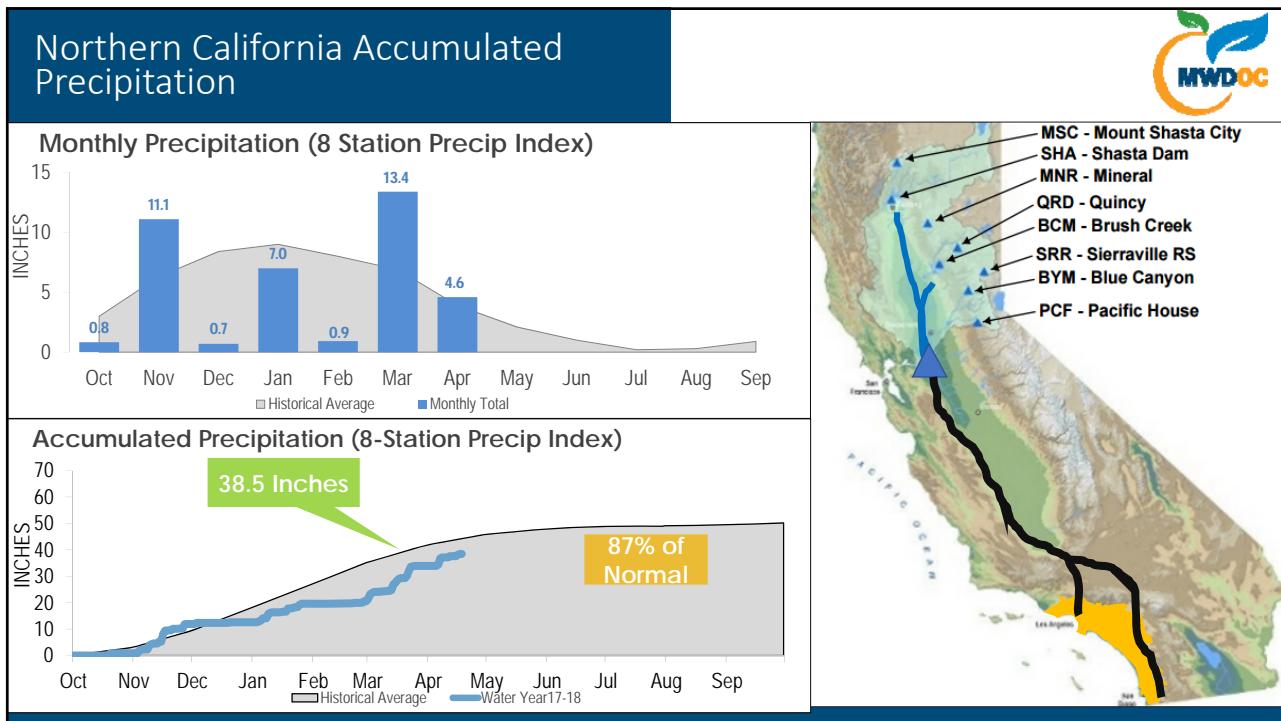


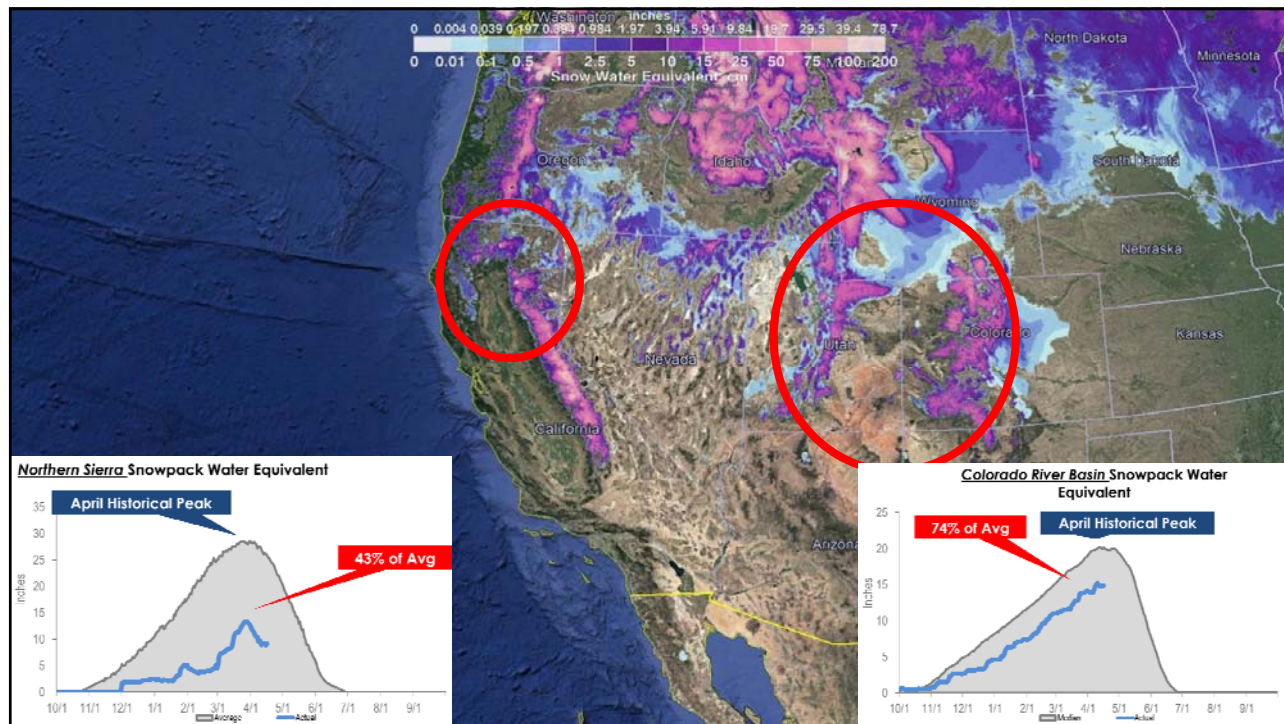
Santa Ana Precipitation



Historical Annual Rainfall (Santa Ana)





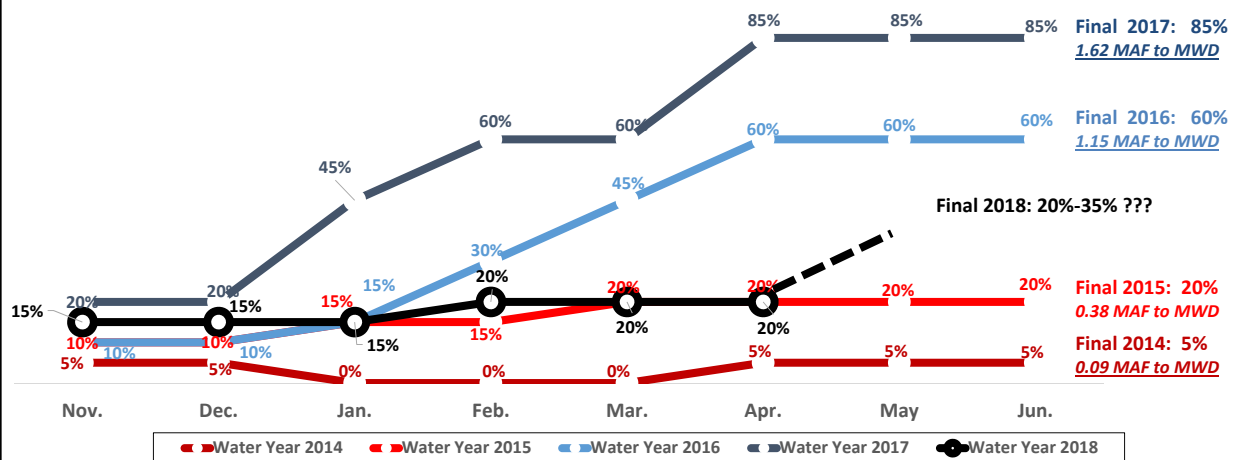


SWP 2018 Table A Allocation

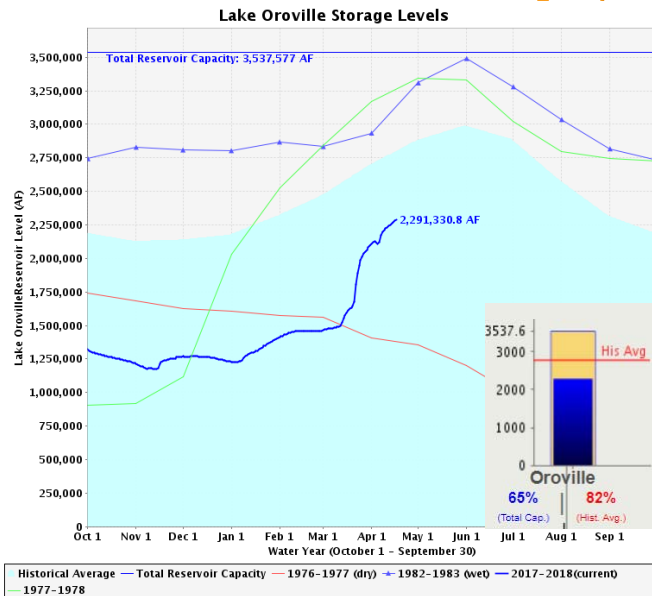
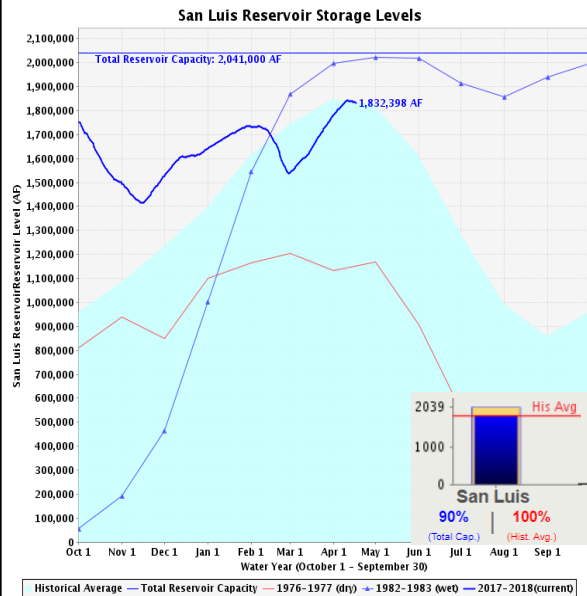


SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS



SWP Storage Levels



CRA Storage Levels

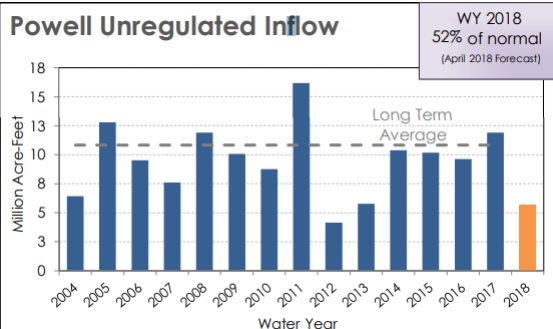


Lake Mead Shortage/Surplus Outlook

	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

Powell Unregulated Inflow



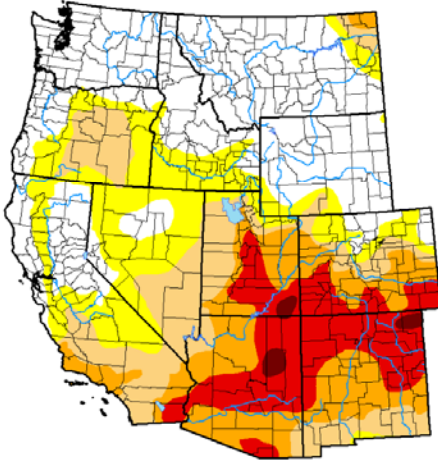
Drought Conditions



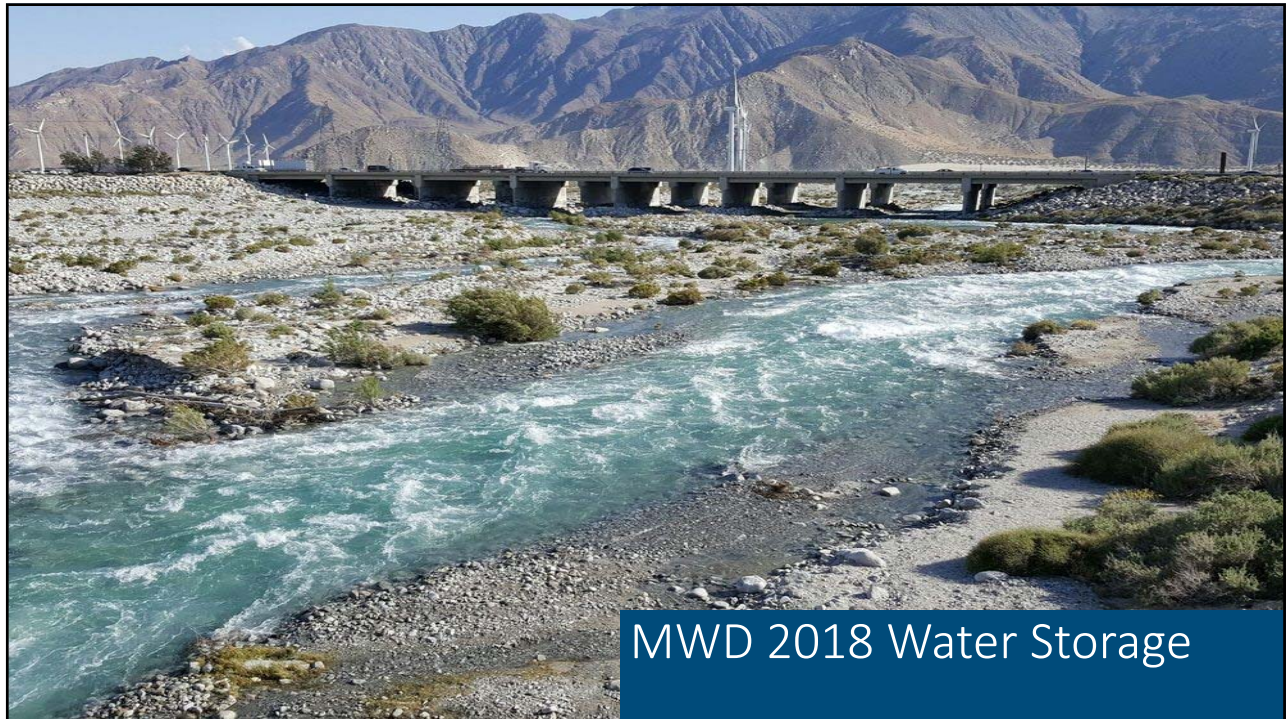
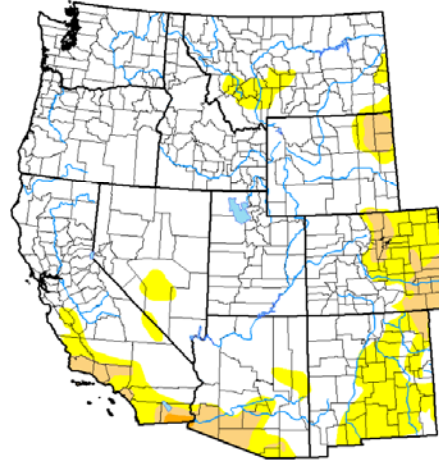
Drought Classification

None D0 (Abnormally Dry) D1 (Moderate Drought) D2 (Severe Drought) D3 (Extreme Drought) D4 (Exceptional Drought)

April 2018



April 2017

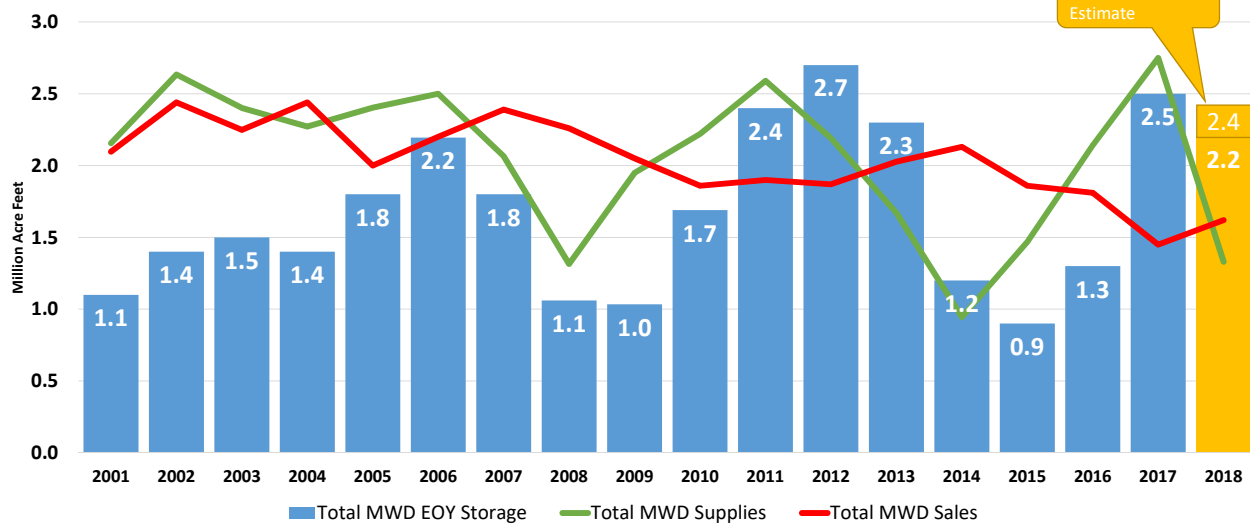


MWD 2018 Water Storage

MWD 2018 Estimated Water Storage



MWD Historical Demand VS Supplies

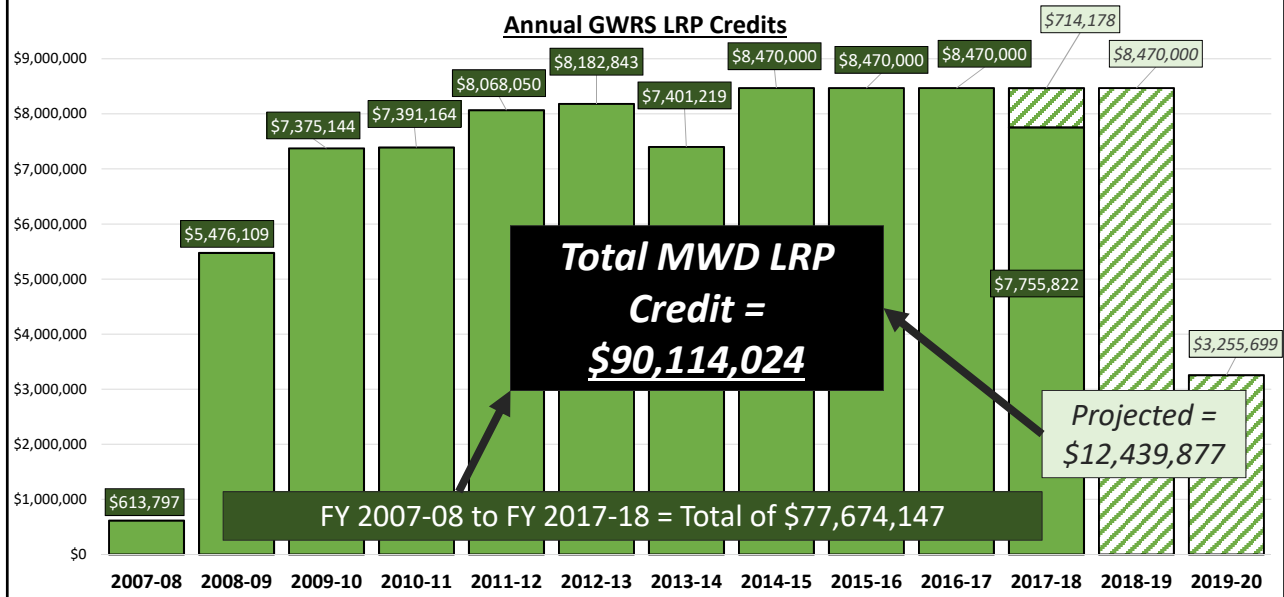


Water Supply Conclusions



- Accumulated Precipitation is **slightly below** the historical average in Northern California. Northern California Snowpack is **well below average**.
- Precipitation in Southern California is **well below average** for the 2017-18 water year. **Below average precipitation** has occurred **6 of the last 7 years**.
- Key State/Federal Reservoirs Levels are **at or above the historical averages** (excluding Lake Oroville).
- Table A allocation is at **30 %**, which is about **0.57 MAF** of water to MWD.
- Drought conditions have strengthen this year but are still relative weak compared to the last drought.
- The Colorado River System is still in **decline** and Lake mead could possibly see a shortage trigger at the start of CY 2020.

GWRS LRP Funding



Thank you for your attention.
Please let us know if you have questions.

Kevin Hostert

Water Resources Analyst
(714) 593-5034
Khostert@MWD OC.com

- physical address**
18700 Ward Street, Fountain Valley CA 92708
- mail address**
P.O. Box, Fountain Valley CA 92728
- website**
www.mwdoc.com
- main office**
(714) 963-3058

