

SWP UPDATE FOR THE CALIFORNIA WATER COMMISSION



May 18, 2016

MARK E. ANDERSEN
ACTING DEPUTY DIRECTOR
STATE WATER PROJECT
CA DEPARTMENT OF WATER RESOURCES



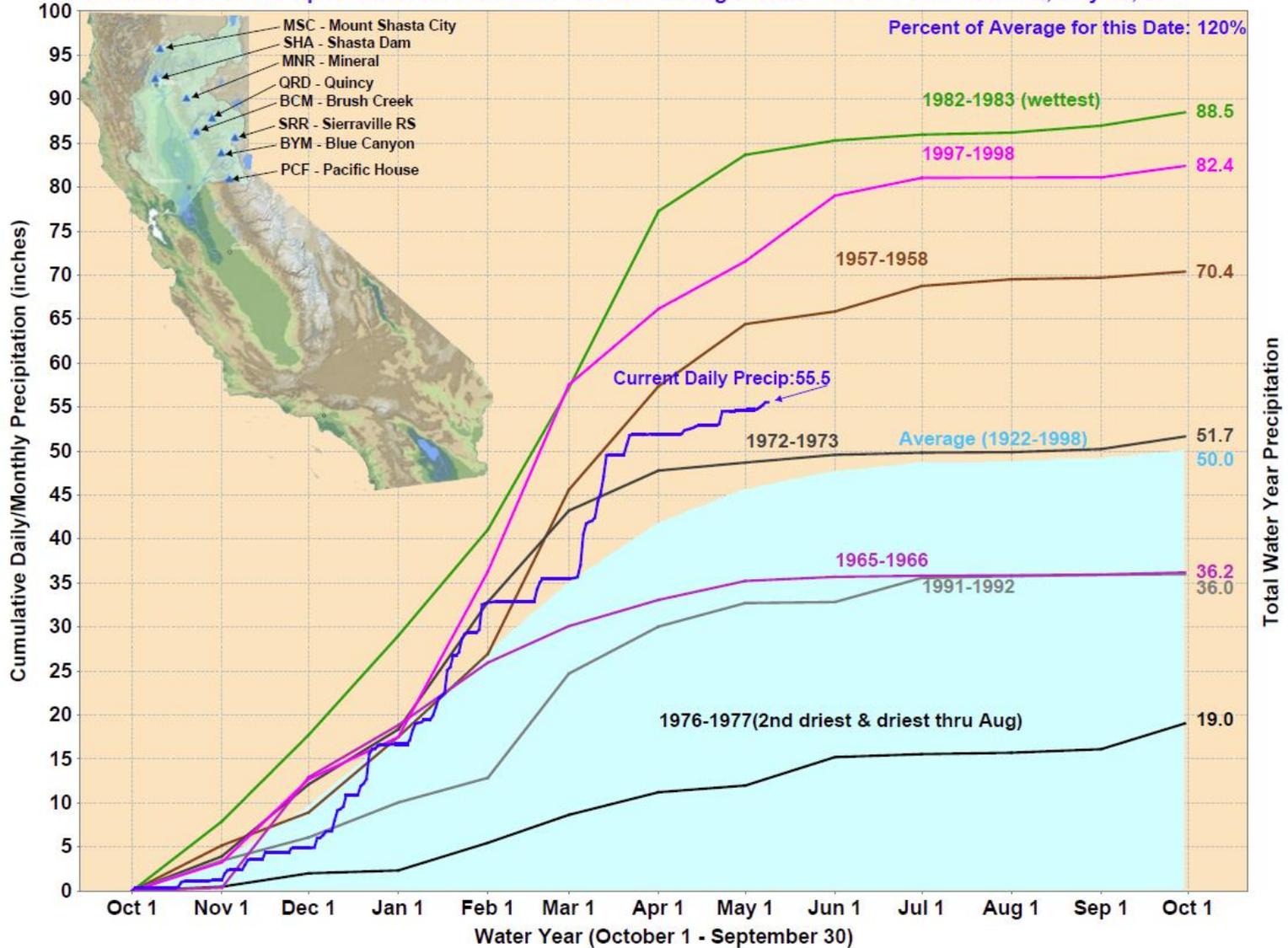
DWR/SWP UPDATE

- 2016 SWP Water Supply
- California Aqueduct, Pool 30 in Kern County
- California Aqueduct, Pool 49, East Branch
- North Bay Aqueduct, Travis Surge Tank
- East Branch, Alamo Powerplant Unit 2
- Ronald B. Robie Thermalito Powerplant, OFD
- Oroville Dam River Valve Outlet System
- SWP Solar Projects
- Workforce Updates



Water Supply

Northern Sierra Precipitation Chart Includes Historical Strong El Nino Years: 8-Station Index, May 09, 2016

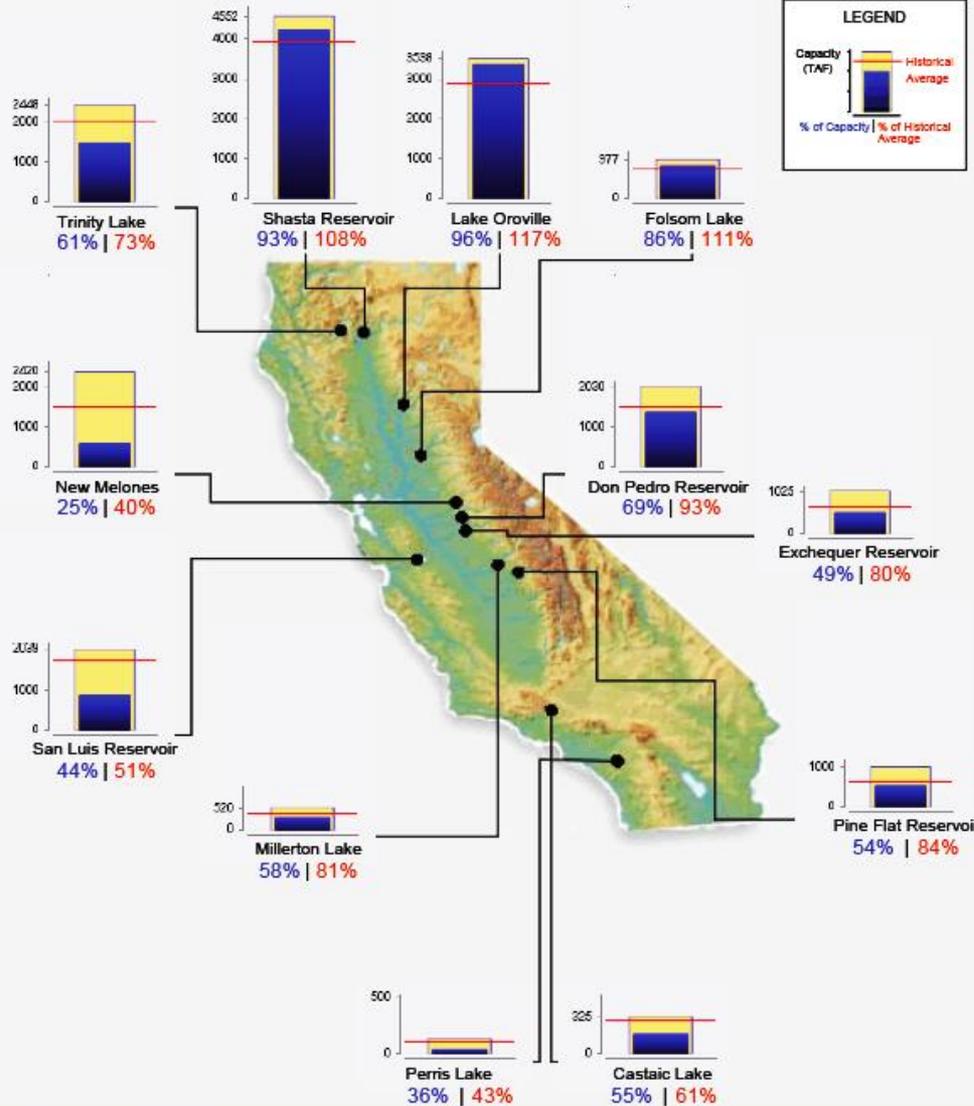




Reservoir Conditions

Ending At Midnight - May 8, 2016

CURRENT RESERVOIR CONDITIONS



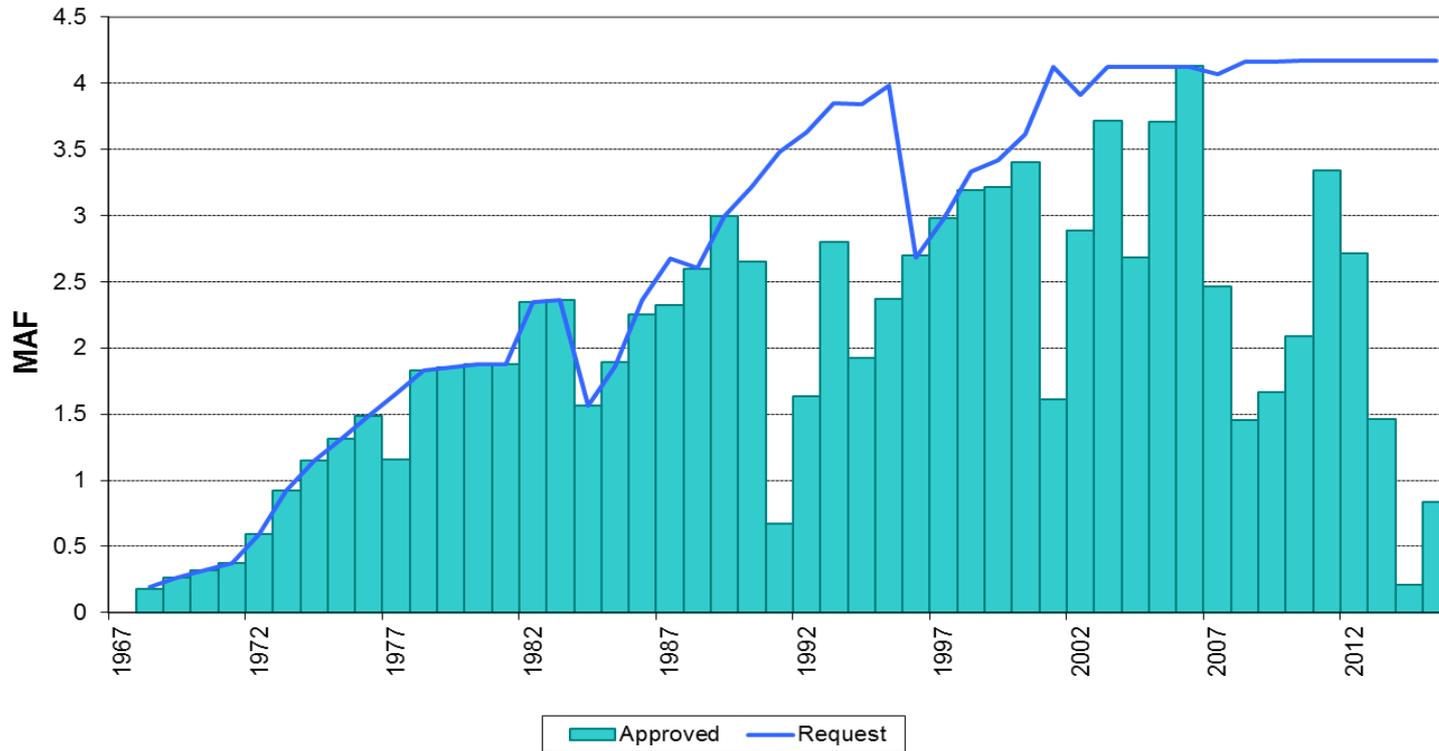
Water Supply



2016 SWP Water Supply Allocation

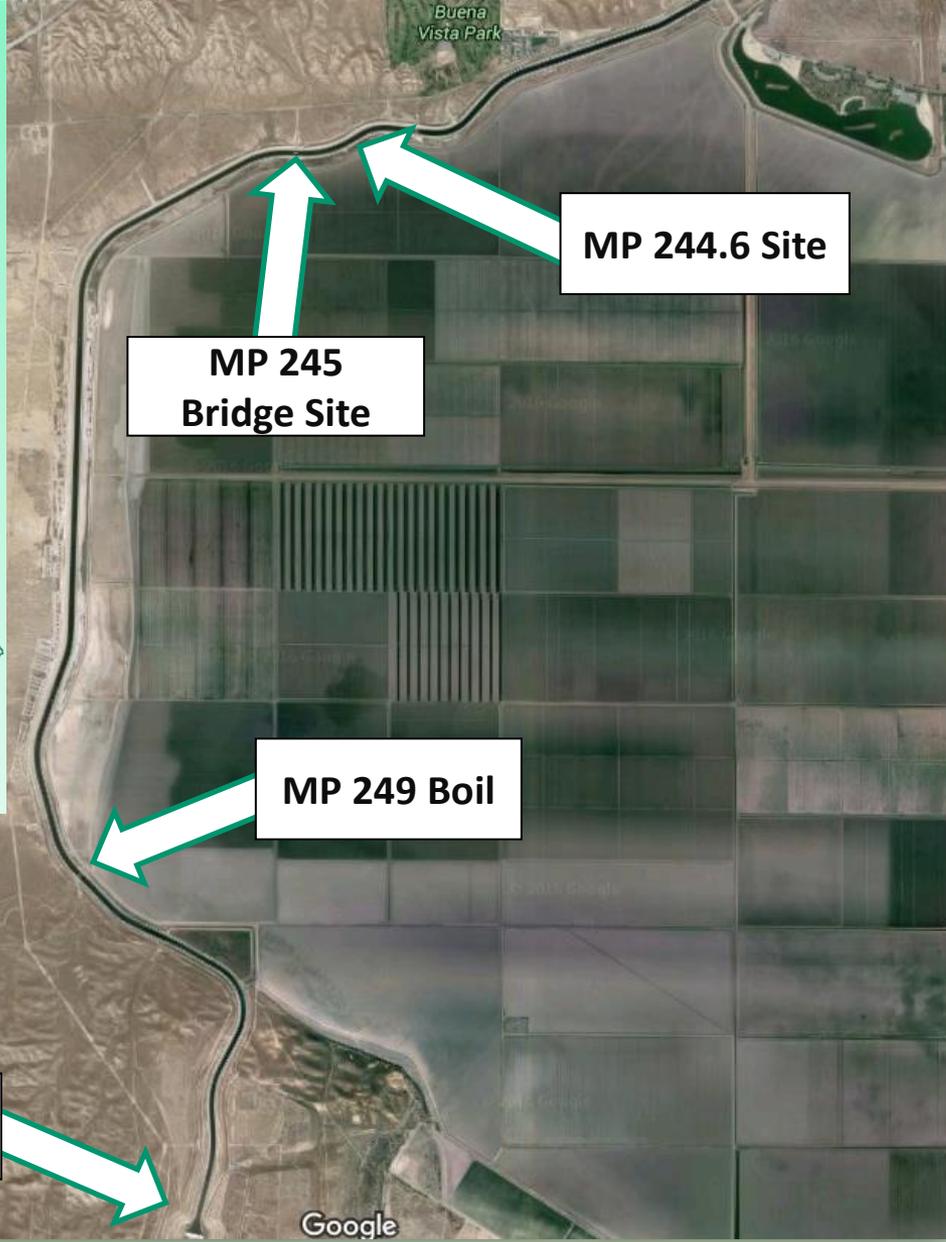
- 60% Approved 4/21/16
- 2,527, 629 af out of 4,172,786 af requested

SWP Table A Allocation



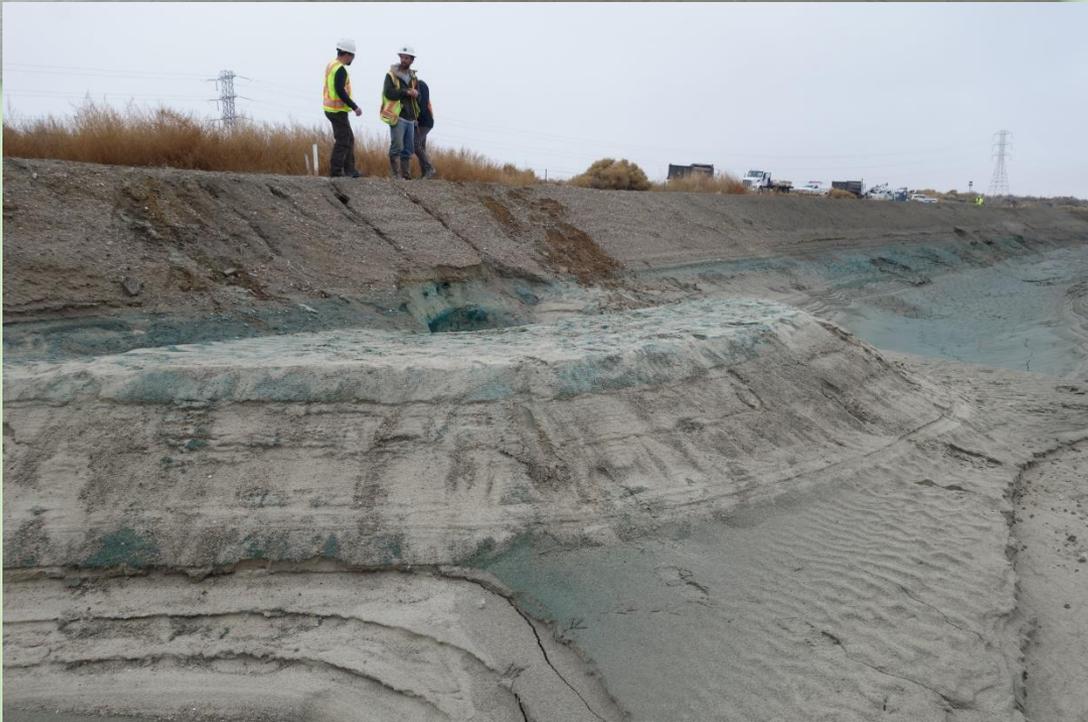


CA Aqueduct in Kern Co., Pool 30





Jan, 2016, Pool 30 Boil, >3000 gpm, MP 249





Pool 30, MP 249



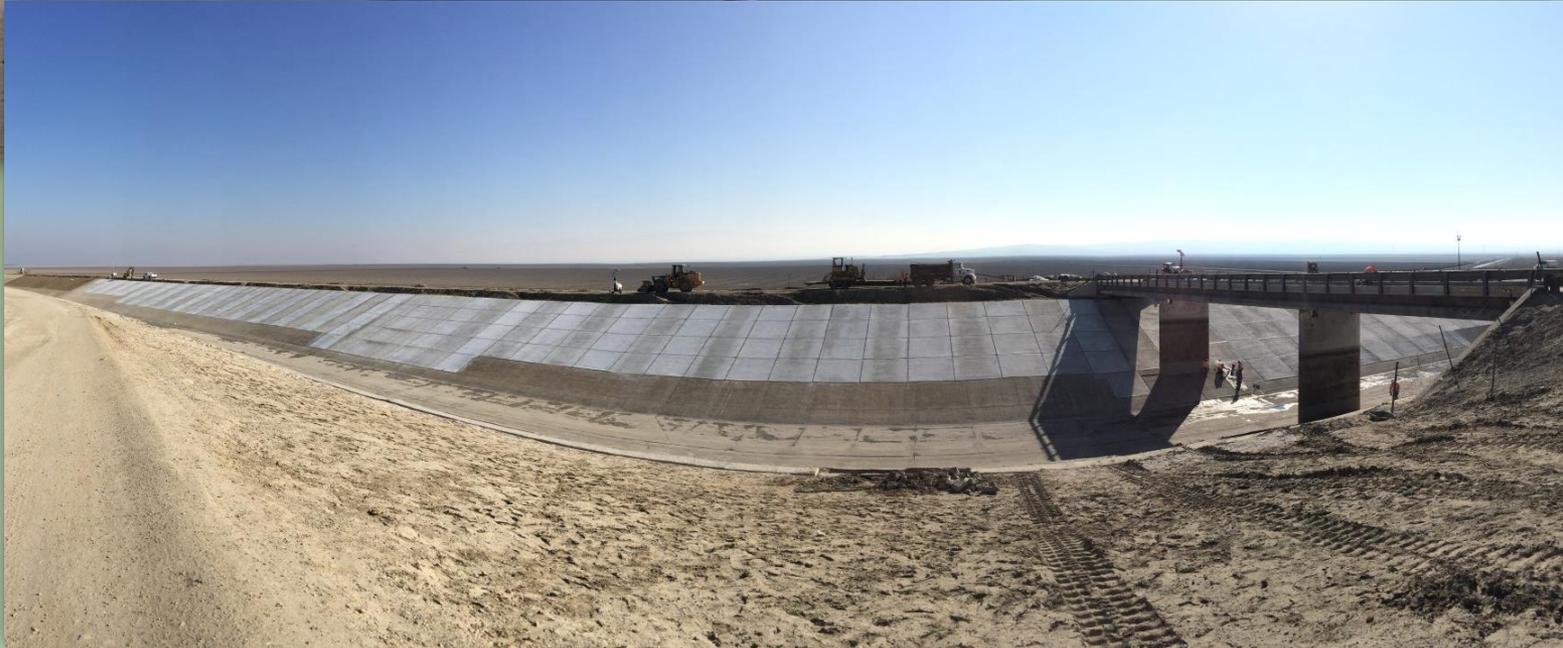


Pool 30, MP 244.6





Pool 30, MP 245





October 20, 2015, Pool 49, MP 336

1000-yr precipitation event resulted in

10,000 cy of debris
into the East Branch
near Palmdale



NBA, Travis Surge Tank





NBA Travis Surge Tank

PHO-1515-040416-GH-07

Completed Travis Tank diffuser repair.





East Branch Alamo Powerplant 2nd Hydro Unit





Ronald B. Robie Thermalito Powerplant

Update on 2012 Fire Clean Up and Refurbishment





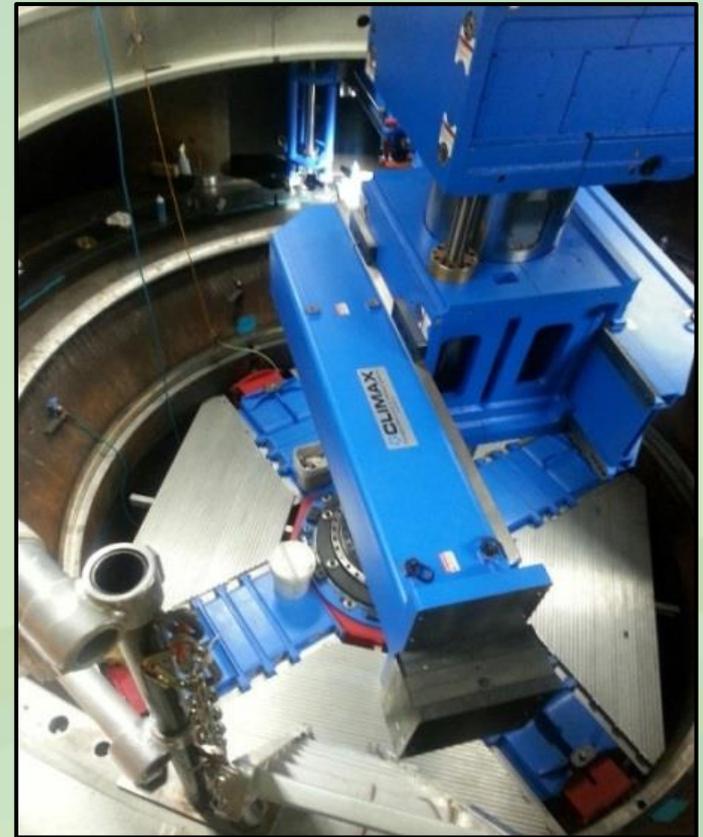
R. B. Robie Thermalito Powerplant

Unit 1

New Kaplan Turbine



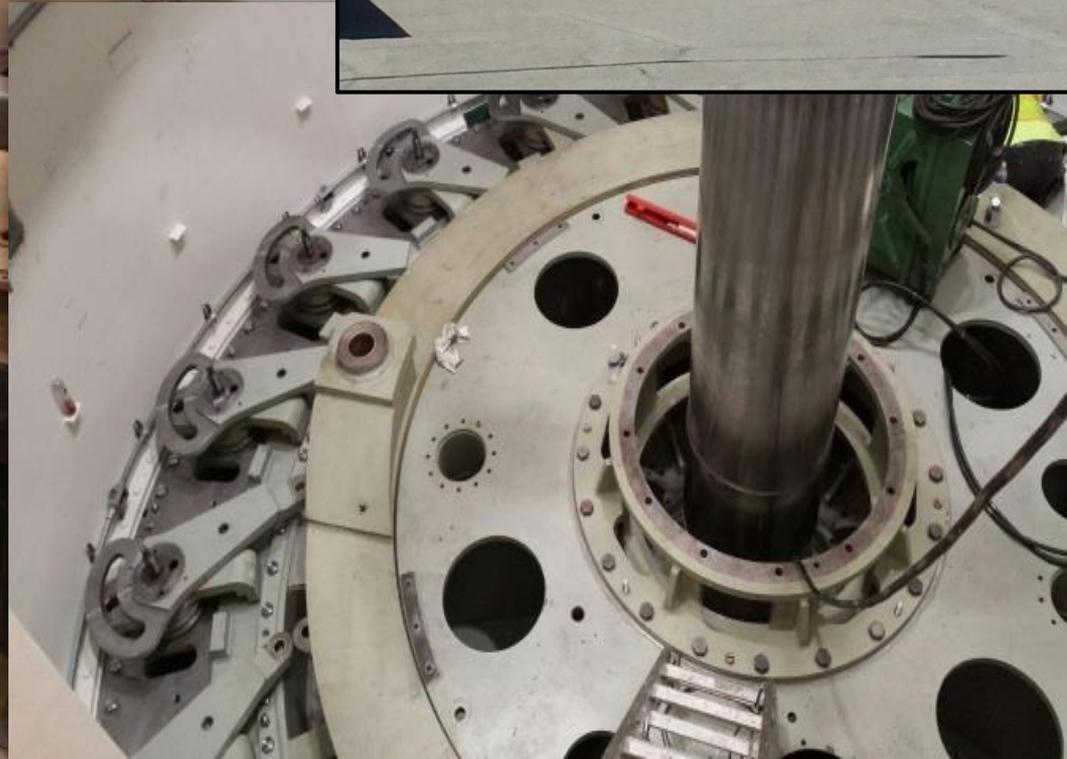
RBR-Thermalito Powerplant *Unit 2 Refurbishment*





RBR - Thermalito Powerplant

Unit 3 and Unit 4 Refurbishment





Oroville Dam River Valve Outlet System

- 2009 accident led to investigation and CalOSHA SA in 2012
- 3rd Party Expert PE Required
- Drought Emergency Refurbishment in 2014, 500,000 AF released in 2014-2015 for ESA temperature requirements
 - ✓ \$11 million for refurbished FCVs, hydraulic system, and controls,
- Baffle Ring key remaining SA requirement to achieve original design release capacity
 - ✓ \$6 million for SS baffle ring
- RVOS is a key operational and dam safety component of Oroville Dam





SS Baffle Ring - River Valve Outlet System

Critical energy dissipation device for discharging up to 200,000 hp (4,000 cfs) 2000 feet inside Hyatt Powerplant Tunnel 2





Isolation - River Valve Outlet System





SWP Solar



Camelot Solar Array, Mojave

45 MW, 20-year PPA

Solverde 1 – 607 acres near Lancaster

85 MW, 20-year PPA, under construction

Pearblossom Solar – 10 MW, Jan 2017



Workforce Update



Unit 9 – Professional Engineers

MOU Reached

7% over 2 years, Expires 2018



Unit 10 – Scientists

MOU Reached

15% over 3 years, Expires 2018



California State Unit 12

Unit 12 – Operating Engineers

MOU expired July 2015

Discussions ongoing

