Water Supply & Drought Update

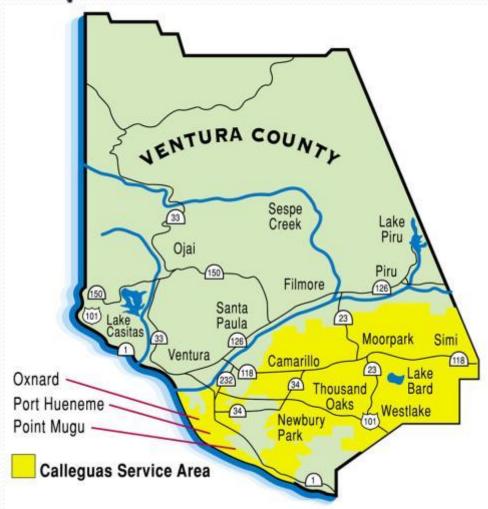


VCSQMP Meeting October 15, 2014

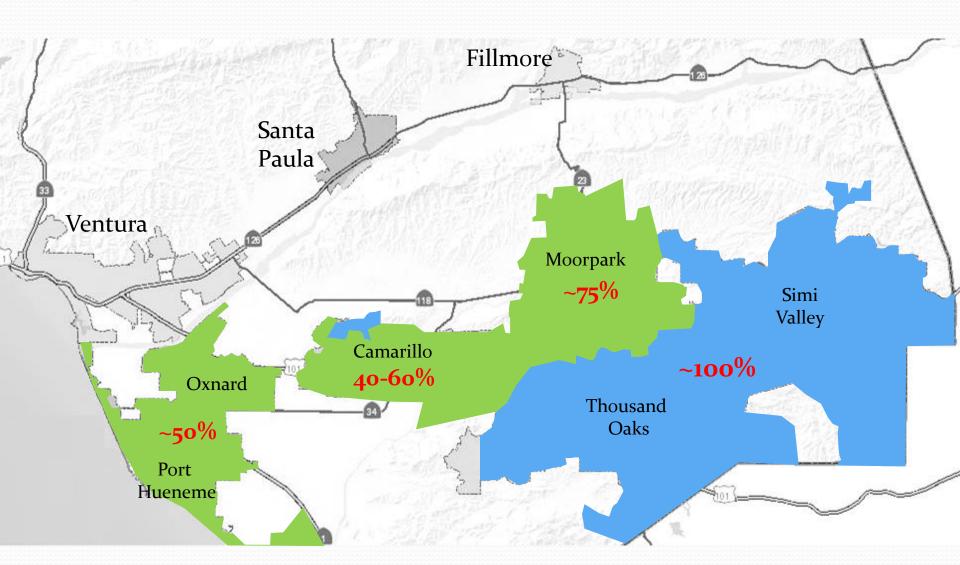
Calleguas Municipal Water District

- Formed in 1953 under MWD Act of 1911 by local communities.
- Supplies imported State water to 19 water agencies and cities serving about 630,000 people in southern Ventura County.
- Annual deliveries of ~110,000 acre feet
- Annual Operating Budget of ~\$110 million

Imported water cost >75% (incl. ~400M in fixed cost for SWP)



Regional Dependence on Imported Water



Value of Imported Water for VC

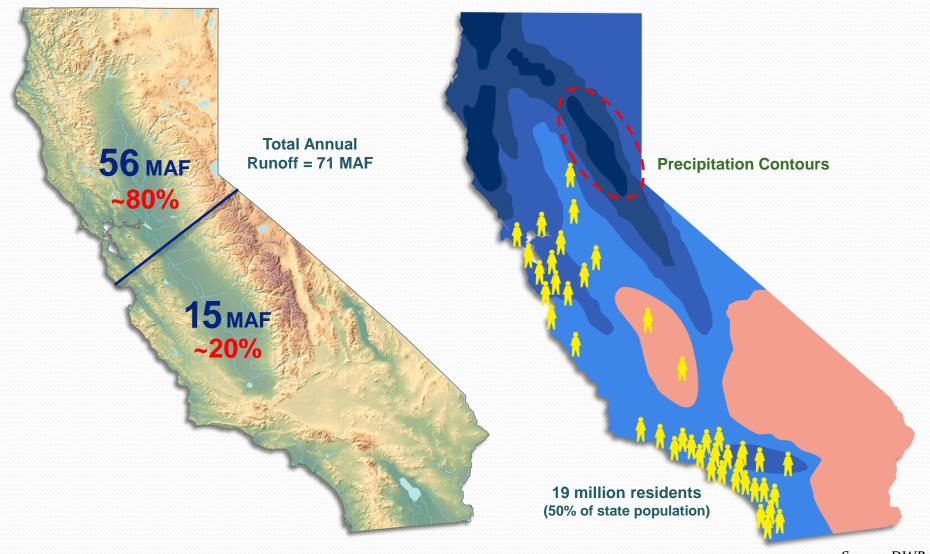
- A primary, if not sole, water supply for threequarters of Ventura County's residents.
- Local groundwater supplies typically blended with higher quality imported water to meet standards.
- Source for recycled water, which is used not only for direct irrigation, but also serves as an essential supply of recharge to local aquifers.



State Water Project

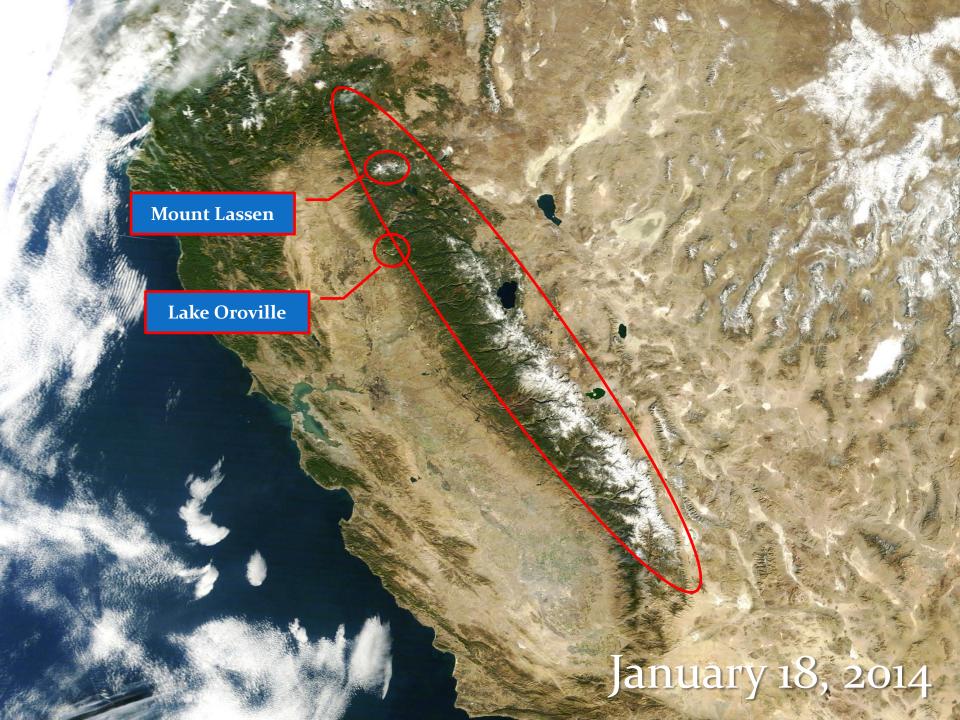


Why the Sierra Nevada?



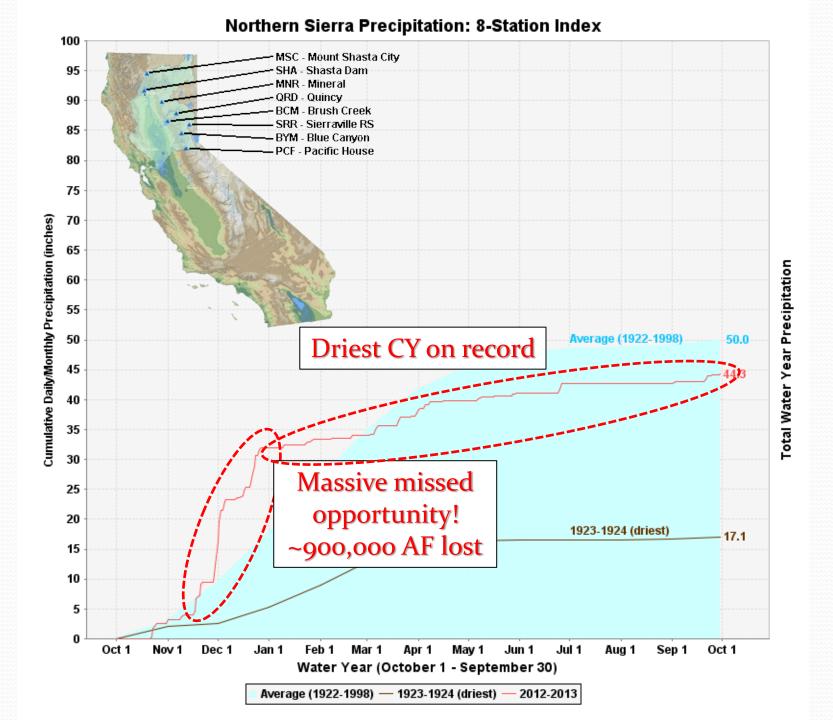
Source: DWR

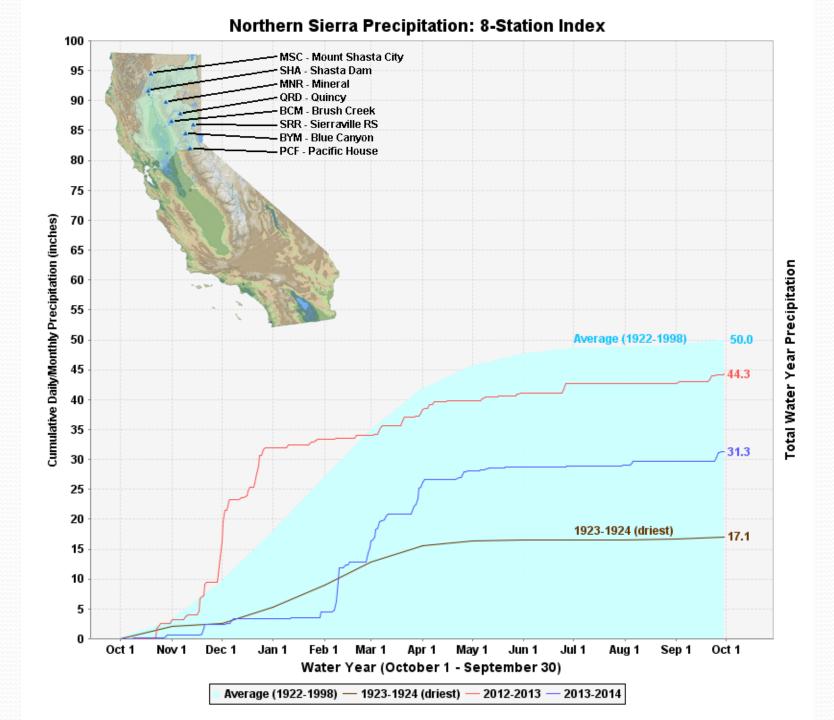
Drought Conditions

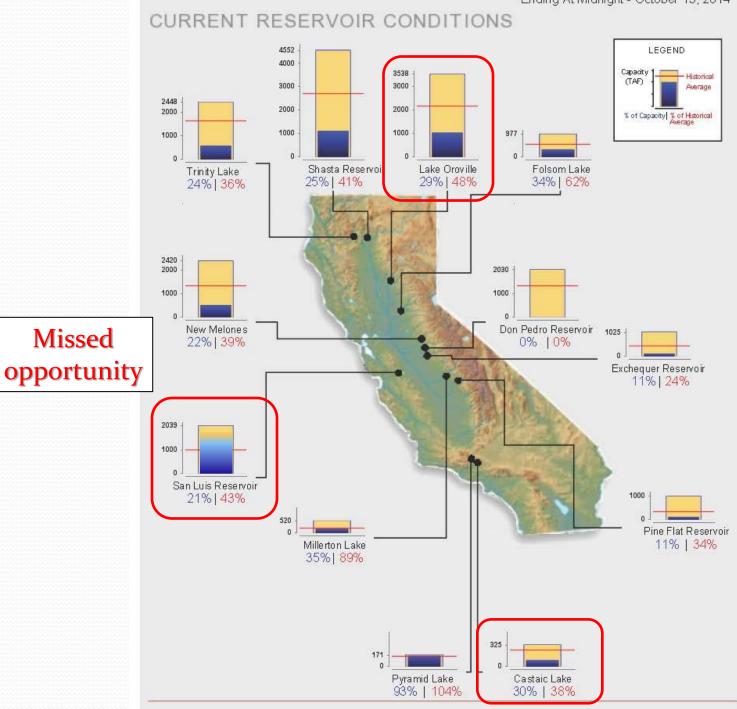


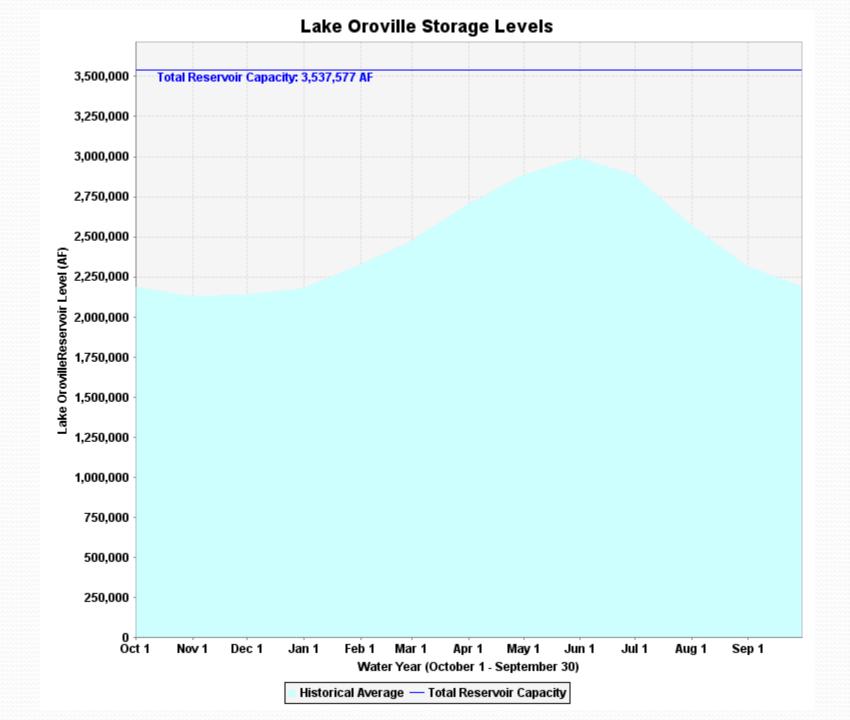
Imported Water Supply - 2013/14 Water Year -

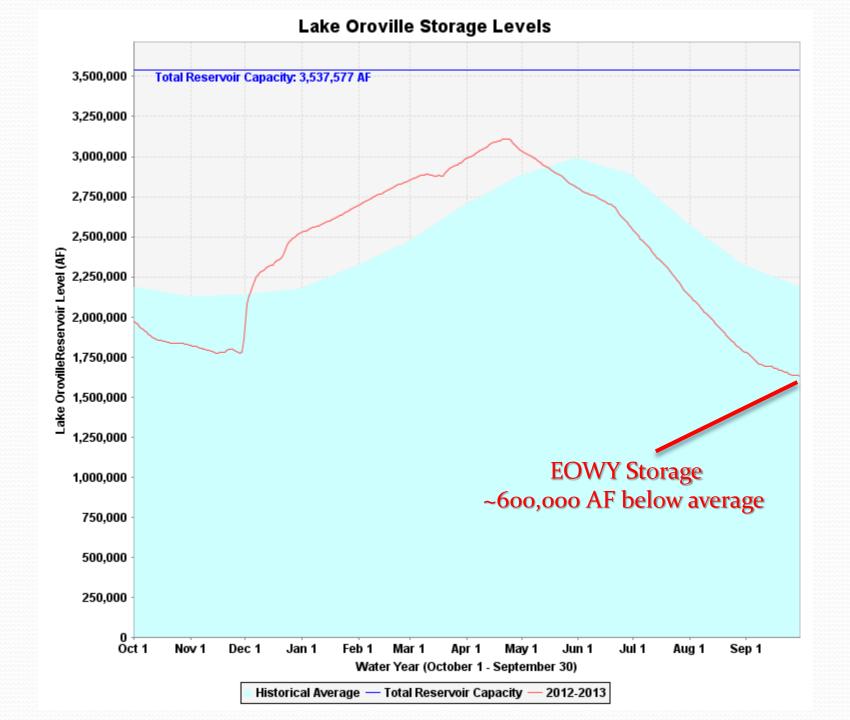
- Nov 19 Initial SWP allocation 5%
- Jan 17 Governor Brown issues Executive Order declaring State of Emergency
- - "Worst-ever water supply outlook"
- April 18 SWP allocation increased back to 5%
- April 25 Governor Brown issues second Executive Order including more specific drought response provisions

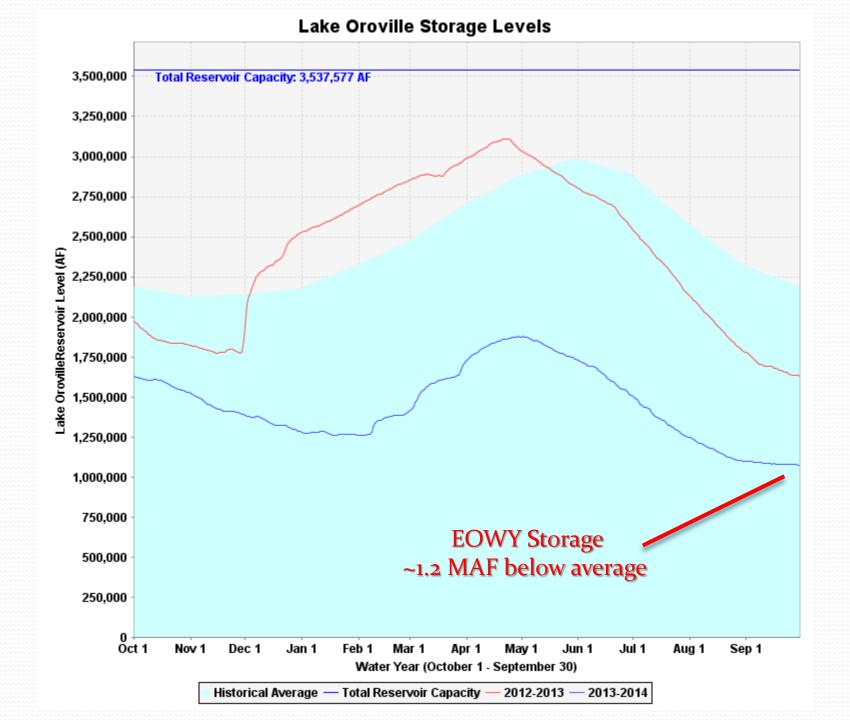


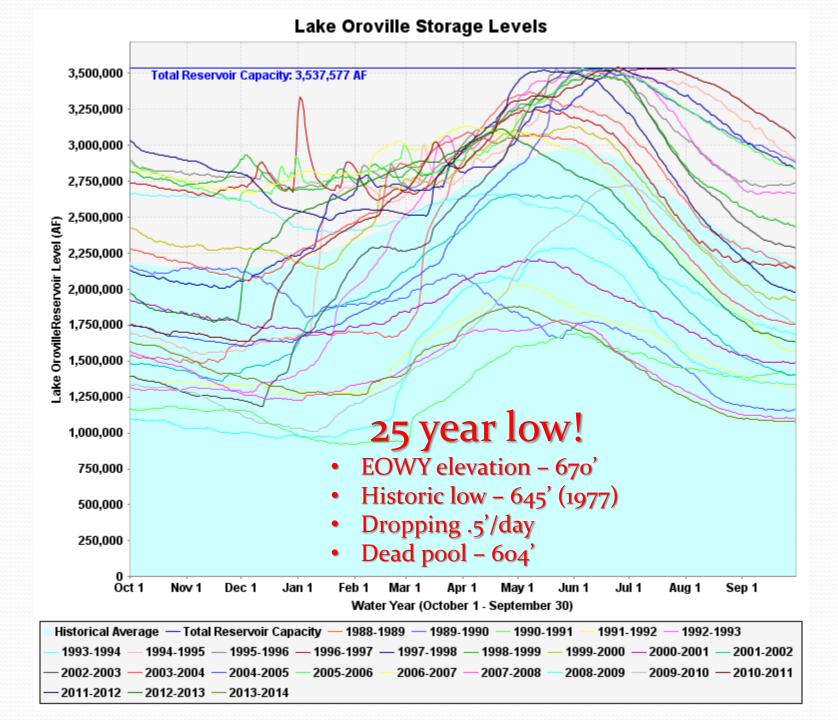












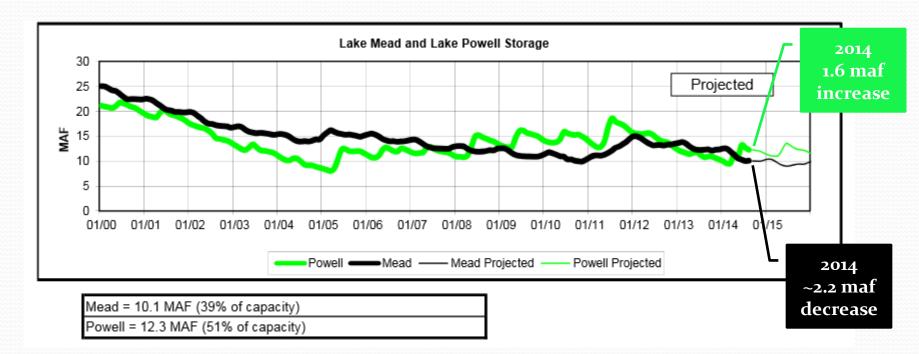








Colorado River - Lake Mead / Lake Powell

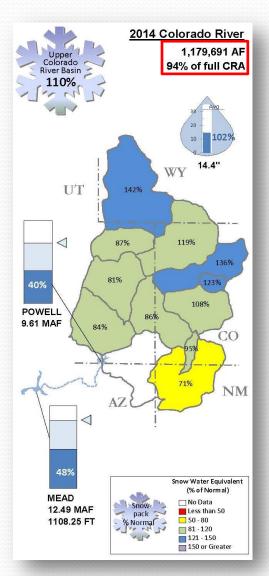


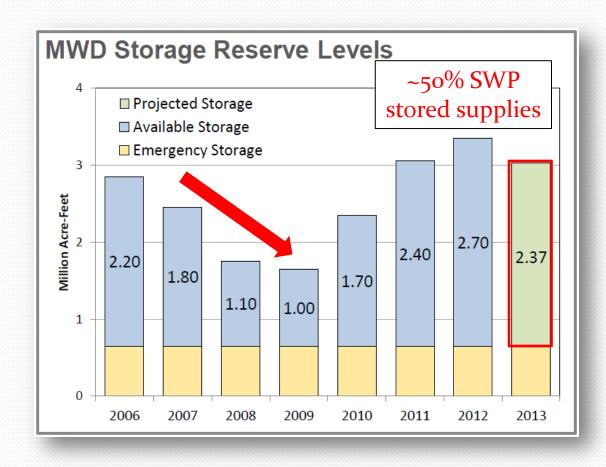
Lake Mead

- Current level 1,080'
- At 1,075' deliveries to NV and AZ curtailed
- At 1,000' two Las Vegas intakes go dry
 - Constructing "third straw" at 860'
- At 900' hydropower lost
 - ~60% of power produced to CA

Why hasn't water rationing been instituted?

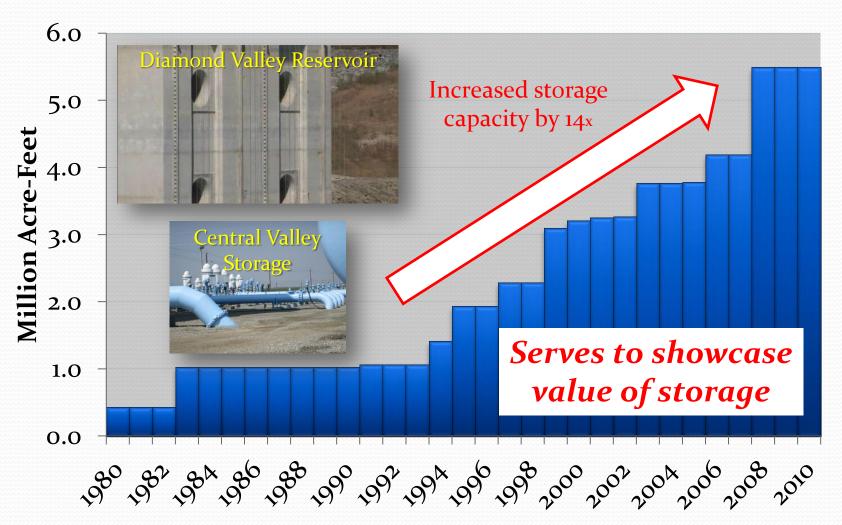
Current Imported Water Conditions





Metropolitan Service Area

- Storage Capacity -



Conservation Programs

bewaterwise.com®



Calleguas Outreach Campaign

Movie Theater PSAs



Large Format **bewaterwise.com** Banners



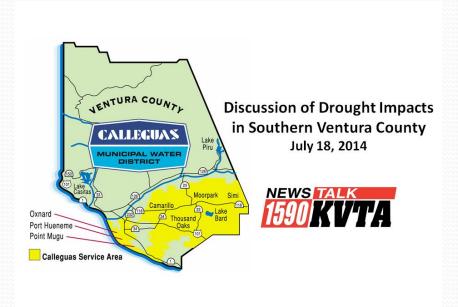
Calleguas Outreach Campaign





Calleguas Outreach Campaign - Radio Interviews -

Water Supply, Conservation & BDCP



Turf Removal Rebate Program

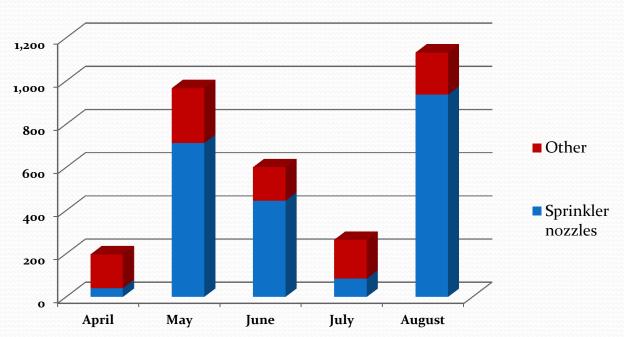






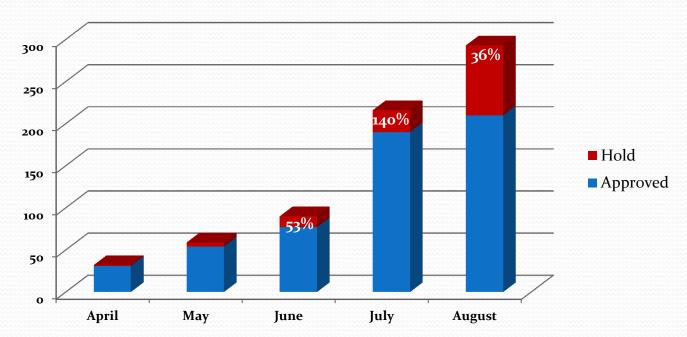
All Device Types

Single Family Residential



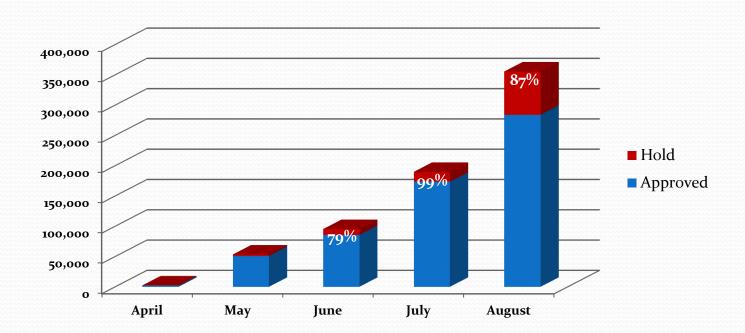


Residential - Number of Reservations (MoM % increase)





Residential - Square Feet (MoM % increase)





Residential Activity through 9/11/14

Agencies	# Applications	Total Sq. Ft. Requested	Total Reservation Amount	
1	2954	4,511,304	\$10,992,268	
2	1667	2,636,384	\$4,956,236	
Calleguas MWD	657	1,106,939	\$2,549,365	
3	411	654,603	\$1,240,158	
4	312	432,401	\$775,911	
5	174	288,244	\$541,676	
6	136	226,086	\$452,171	
7	141	184,909	\$438,778	
8	122	156,471	\$429,305	
9	142	210,570	\$422,245	
10	82	174,650	\$321,908	
11	83	154,015	\$278,055	
12	59	99,906	\$181,831	
13	53	97,980	\$178,134	
14	42	66,709	\$133,418	
15	53	61,111	\$113,672	
16	22	34,052	\$65,551	
17	4	14,016	\$24,192	
18	6	9,809	\$17,618	
19	7	6,763	\$10,807	
Grand Total	7127	11,126,921	\$24,123,297	
Yellow Shaded indicates Member or Retail Agency supplemental funding				



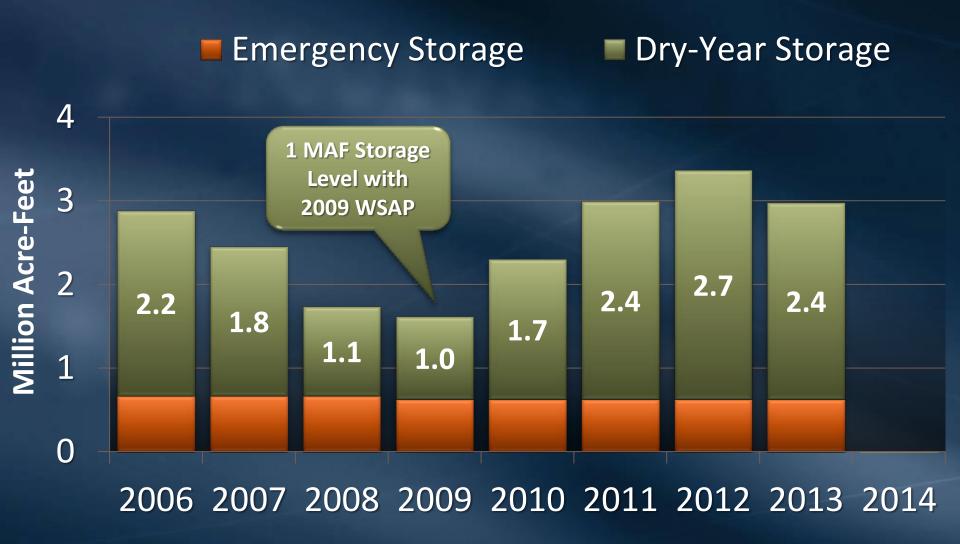
Commercial, Industrial, & Institutional Activity through 9/11/14

Agencies	# Applications	Total Sq. Ft. Requested	Total Reservation Amount	
1	98	4,616,890	\$8,943,381	
Calleguas MWD	13	2,405,480	\$4,807,760	
2	18	1,397,532	\$2,730,214	
3	20	1,074,246	\$2,086,071	
4	4	878,752	\$1,757,504	
5	58	949,480	\$1,673,355	
6	34	424,503	\$951,171	
7	2	295,190	\$590,380	
8	14	185,451	\$370,901	
9	5	62,315	\$216,403	
10	13	93,192	\$143,784	
11	5	44,276	\$74,705	
12	2	14,860	\$18,020	
13	6	11,858	\$16,711	
14	2	5,300	\$10,600	
15	1	3,086	\$6,172	
16	1	2,500	\$2,500	
17	1	1,225	\$2,450	
18	1	1,254	\$1,254	
Grand Total	298	\$12,467,389	\$24,403,335	
Yellow Shaded indicates Member or Retail Agency supplemental funding				

2015 Water Supply Scenarios

MWD Storage Reserves

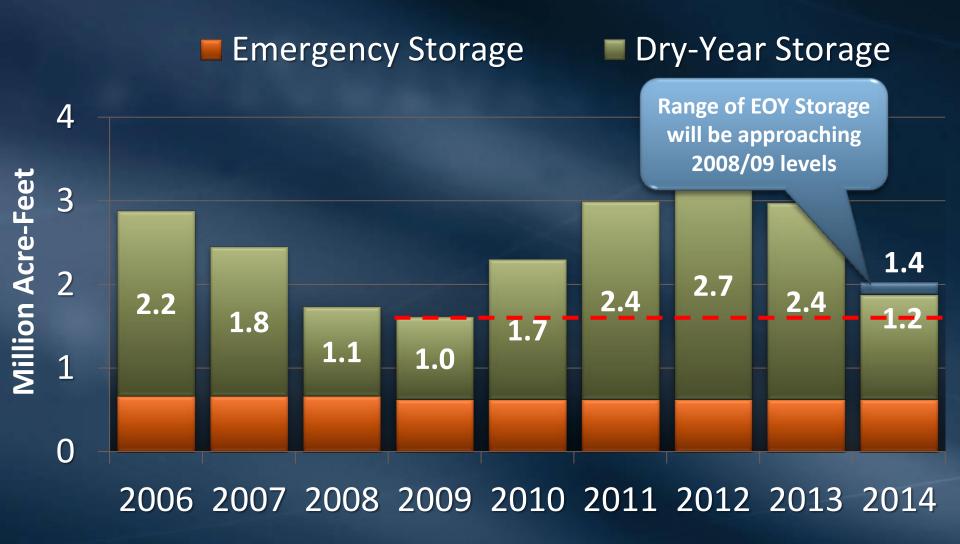
End of Year Balances*



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

MWD Storage Reserves

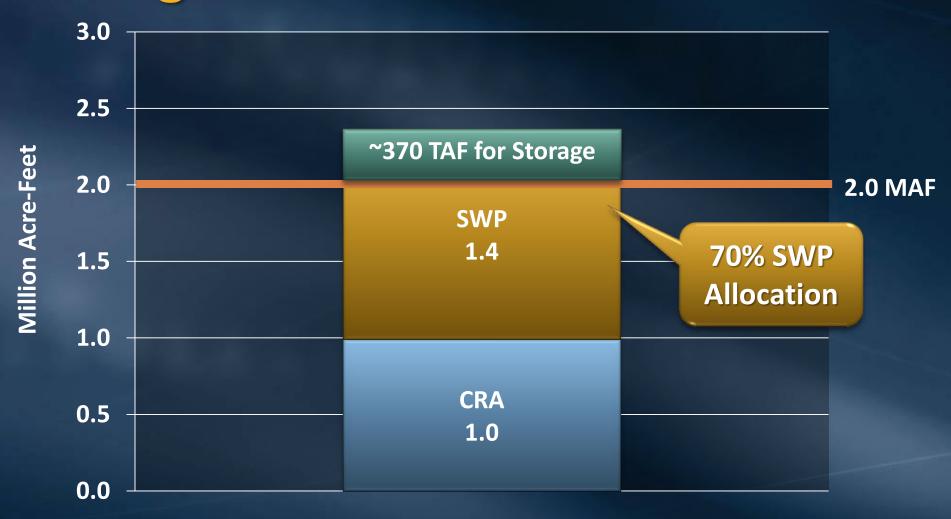
End of Year Balances*



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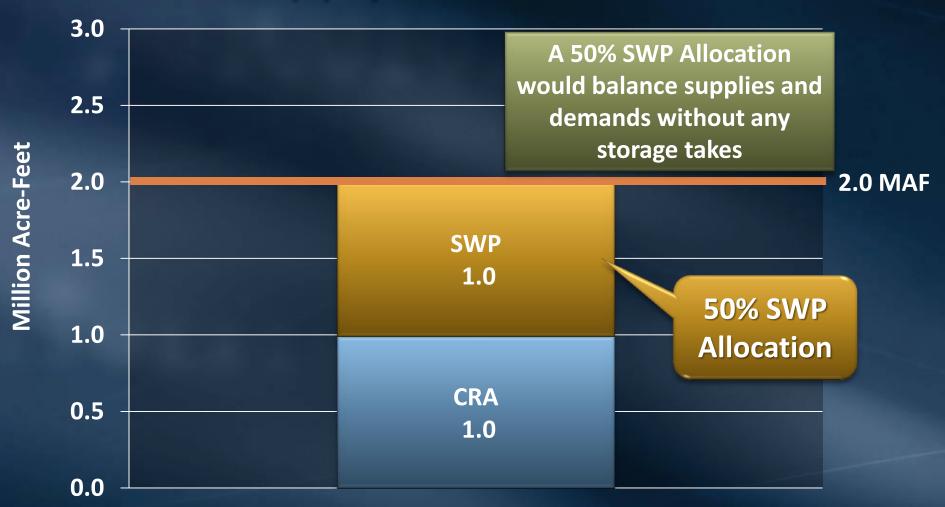
Above Normal Conditions

Above Normal SWP Results in Storage Puts

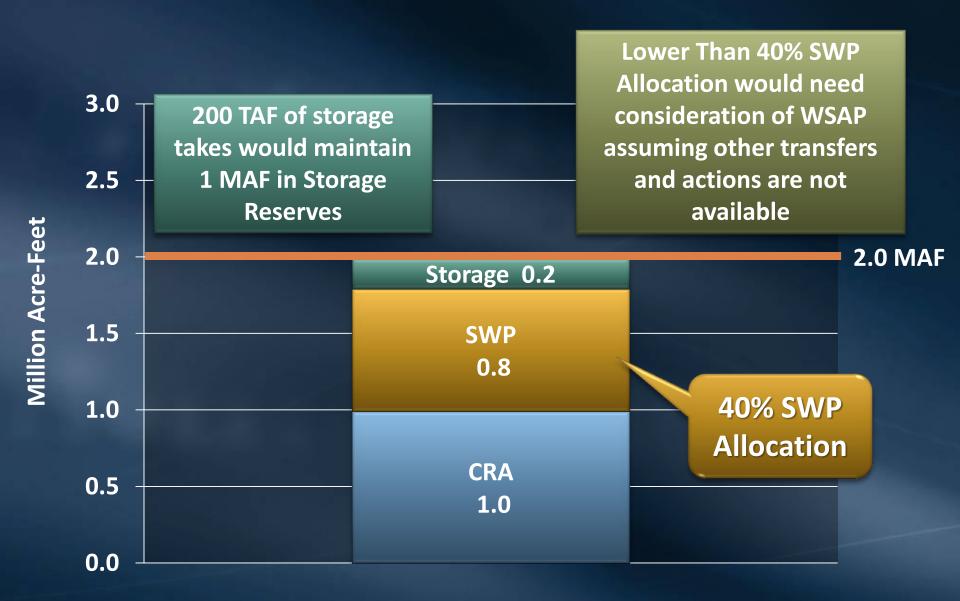


Normal Conditions

Normal SWP Conditions Can Balance Supply and Demand

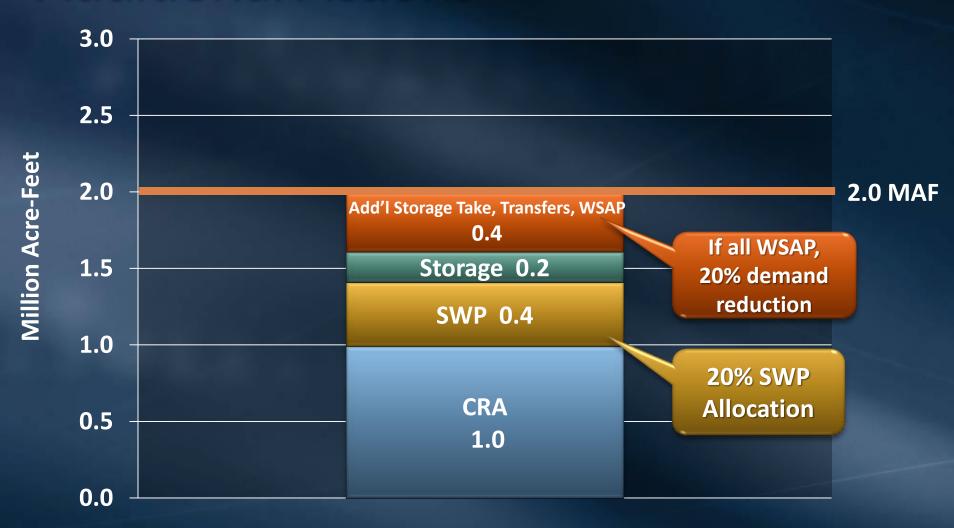


2015 SWP Conditions for Balance



Dry Conditions

Dry SWP Conditions Require Additional Actions



Repeat of 2014?





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Calleguas Channel on You Tube

Calleguas MWD

