Catalina Island
Stage 2 Water Rationing Update

Avalon City Council
April 21, 2015

Middle Ranch Reservoir Level Update

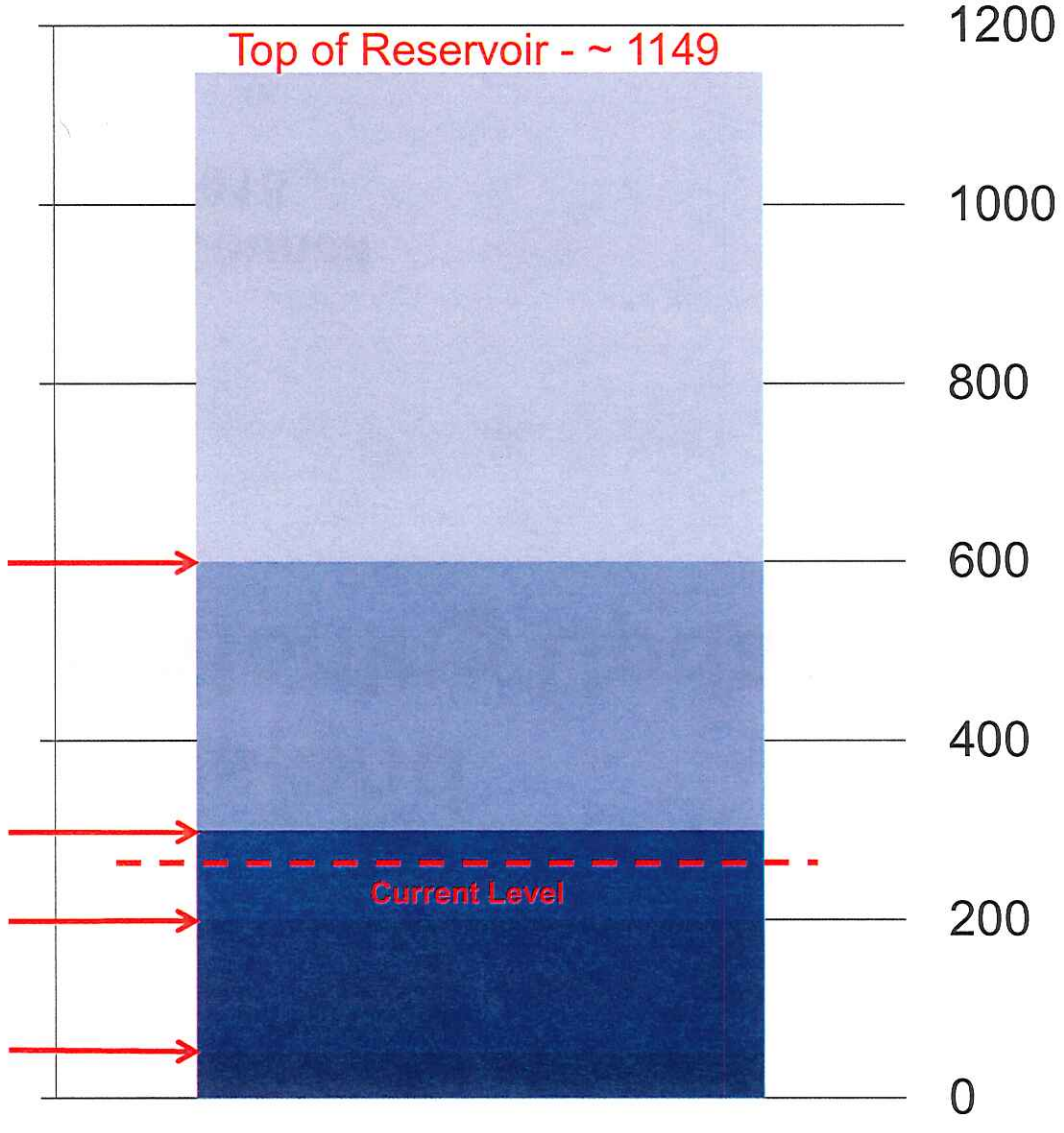
- Stage 2 Water Rationing began on August 11, which is triggered when the Middle Ranch Reservoir's water level falls below 300 acre
- As of April 16, 2015, the Reservoir water level was **261 acre feet.**

Stage 1 Mandatory Water Conservation - Customers are restricted in certain ways from using water when the reservoir reaches **600 acre feet**

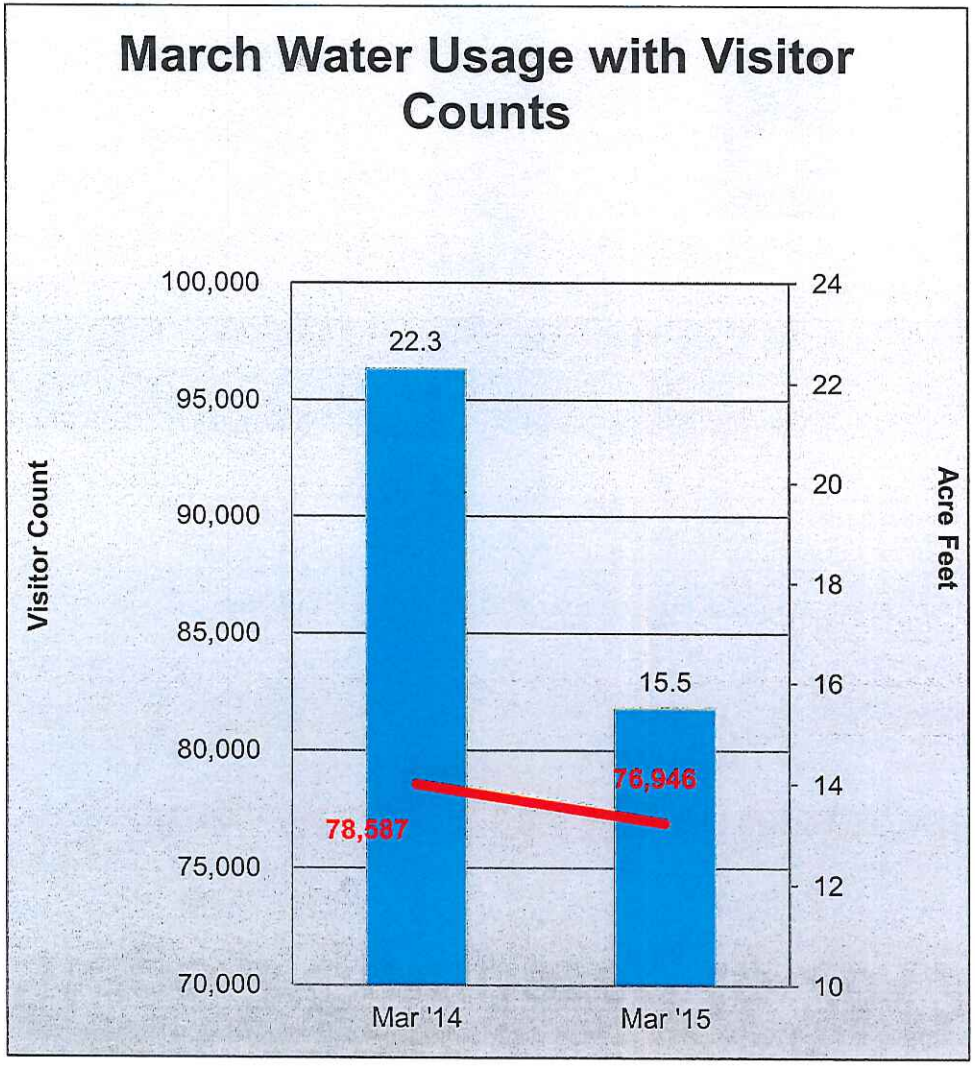
Stage 2 Mandatory Water Rationing - Customers' water usage will be reduced to **75%** of their base water usage amount if the reservoir reaches **300 acre feet**

Stage 3 Mandatory Water Rationing - Customers' water usage will be reduced to **50%** of their base water usage amount if the reservoir reaches **200 acre feet**

Stage 4 Mandatory Water Rationing - Customers' water usage will be reduced to **25%** of their base water usage amount if the reservoir reaches **50 acre feet**

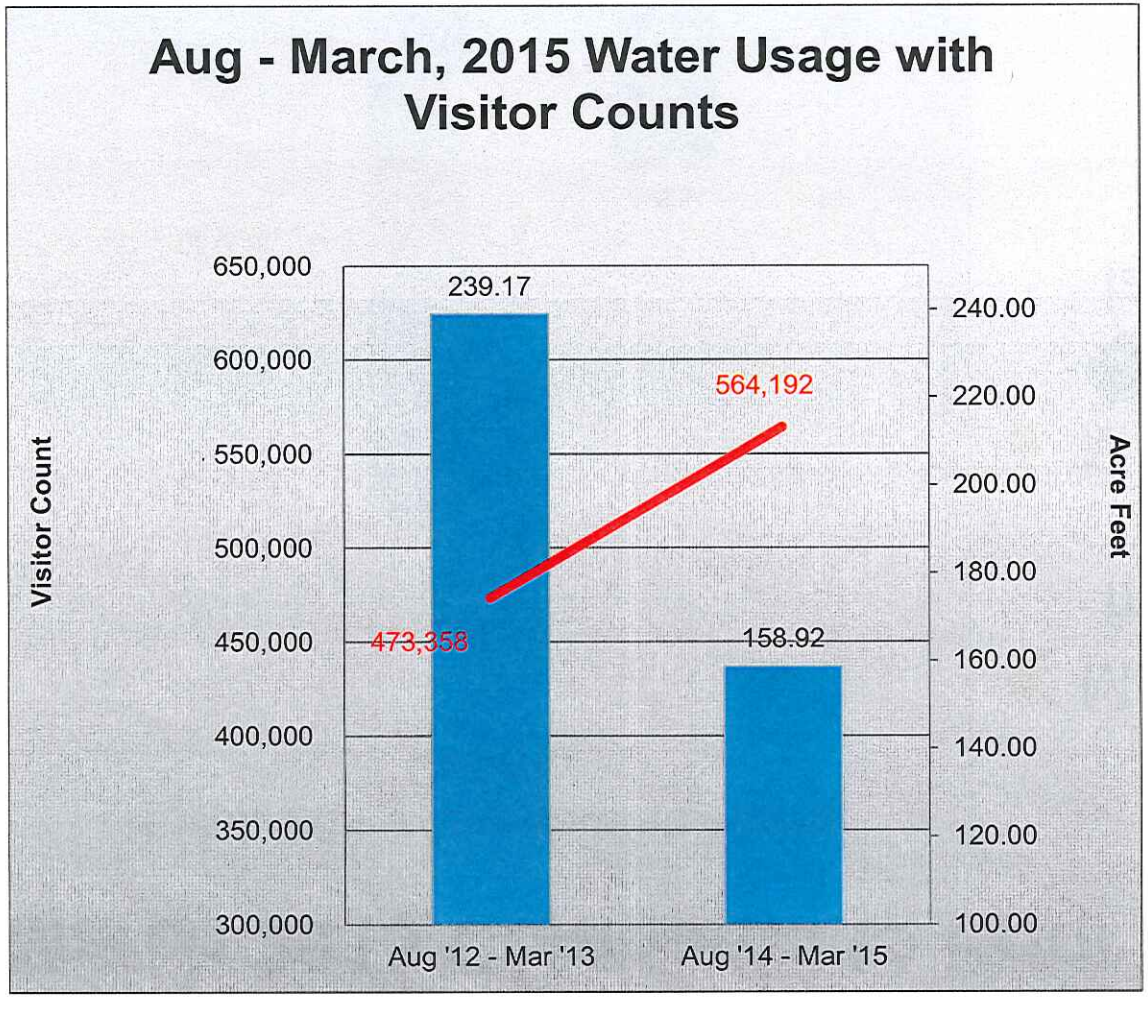


Water Usage with Visitor Counts March 2015 Compared to Prior Year



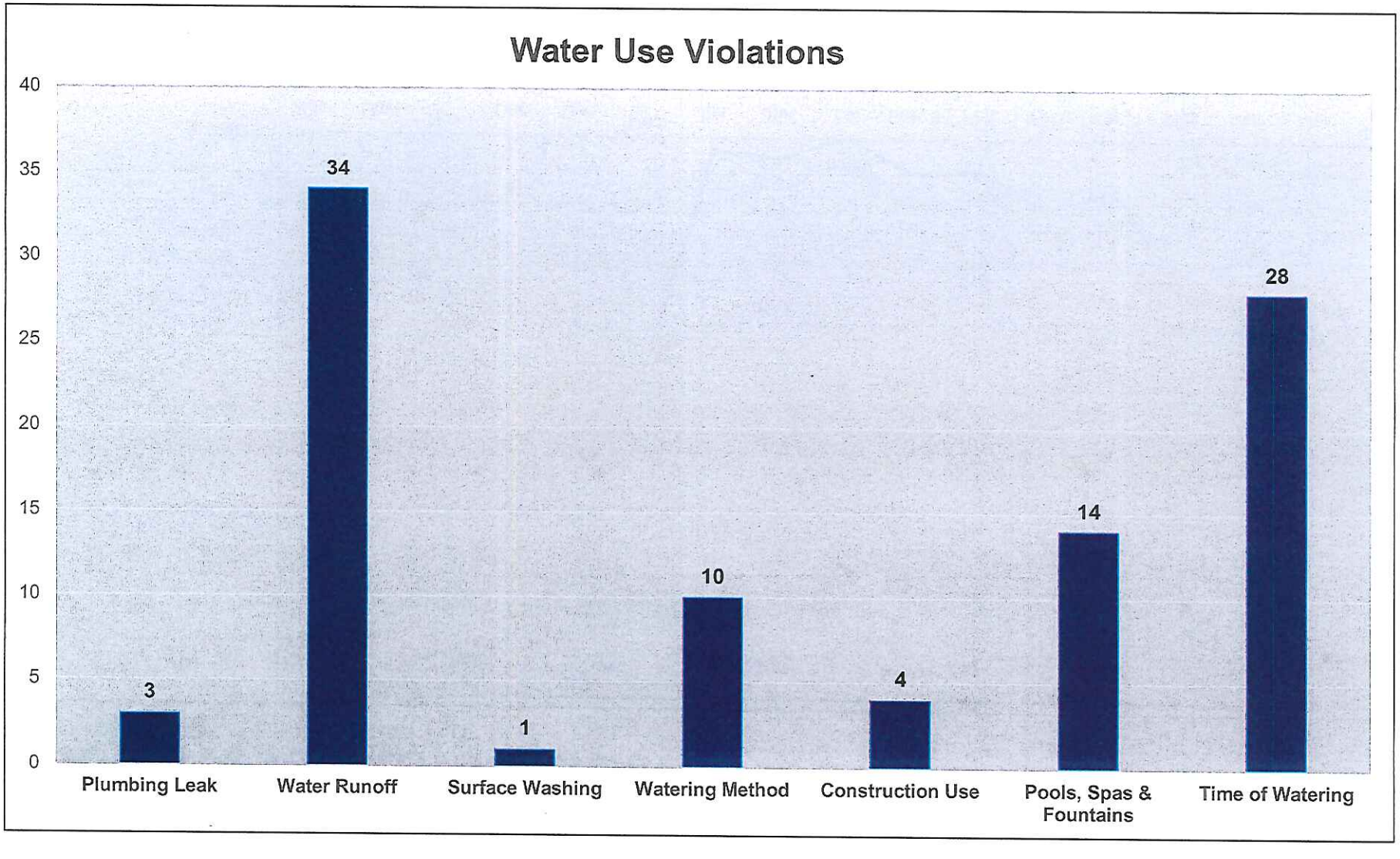
- March Usage ↓ 30.49% from last year
- March Visitors Counts ↓ 2.09% from last year

Water Usage
Stage 2 Compared to 2012-13 (Baseline)

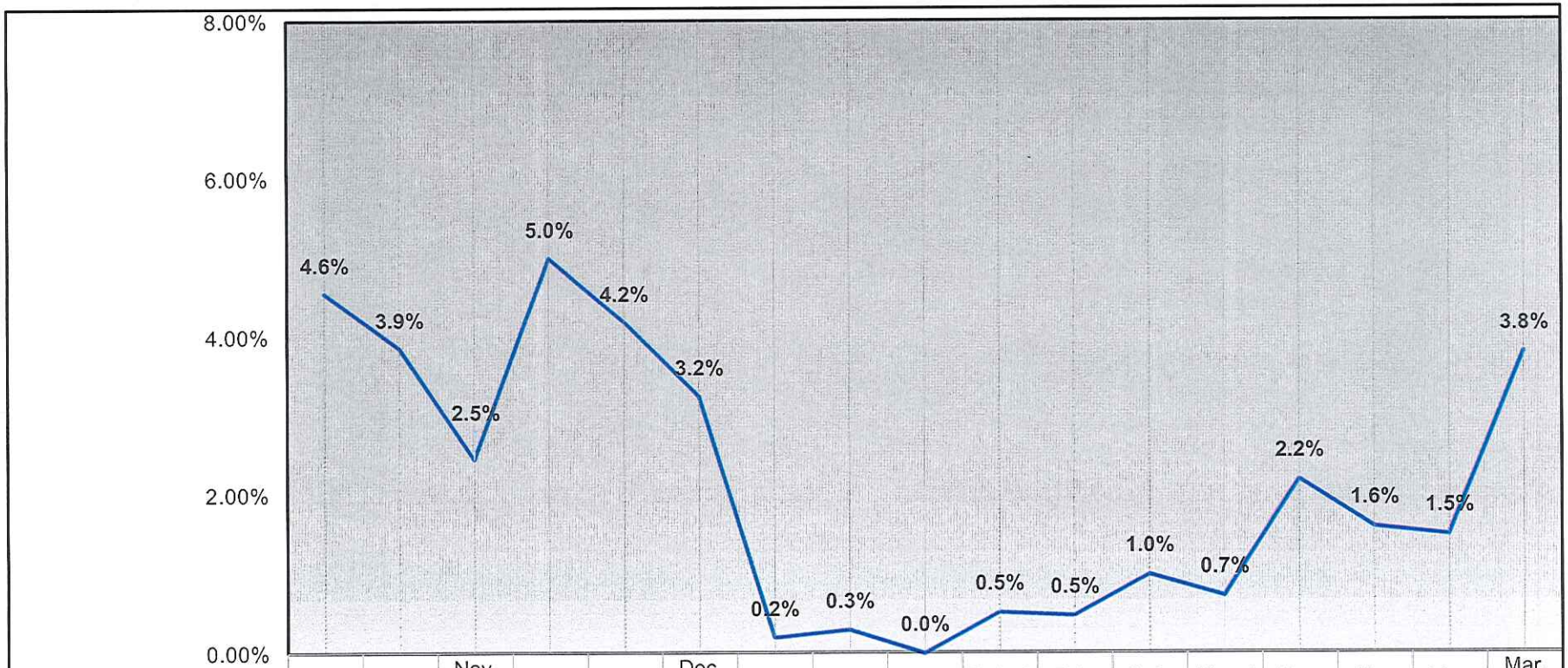


- Aug - Mar Usage ↓ 33.50% from 2012 Baseline
- Aug - Mar Visitors ↑ 19.19% from 2012 Baseline

Water Use Violations – 94 Violations (As of April 16, 2015)



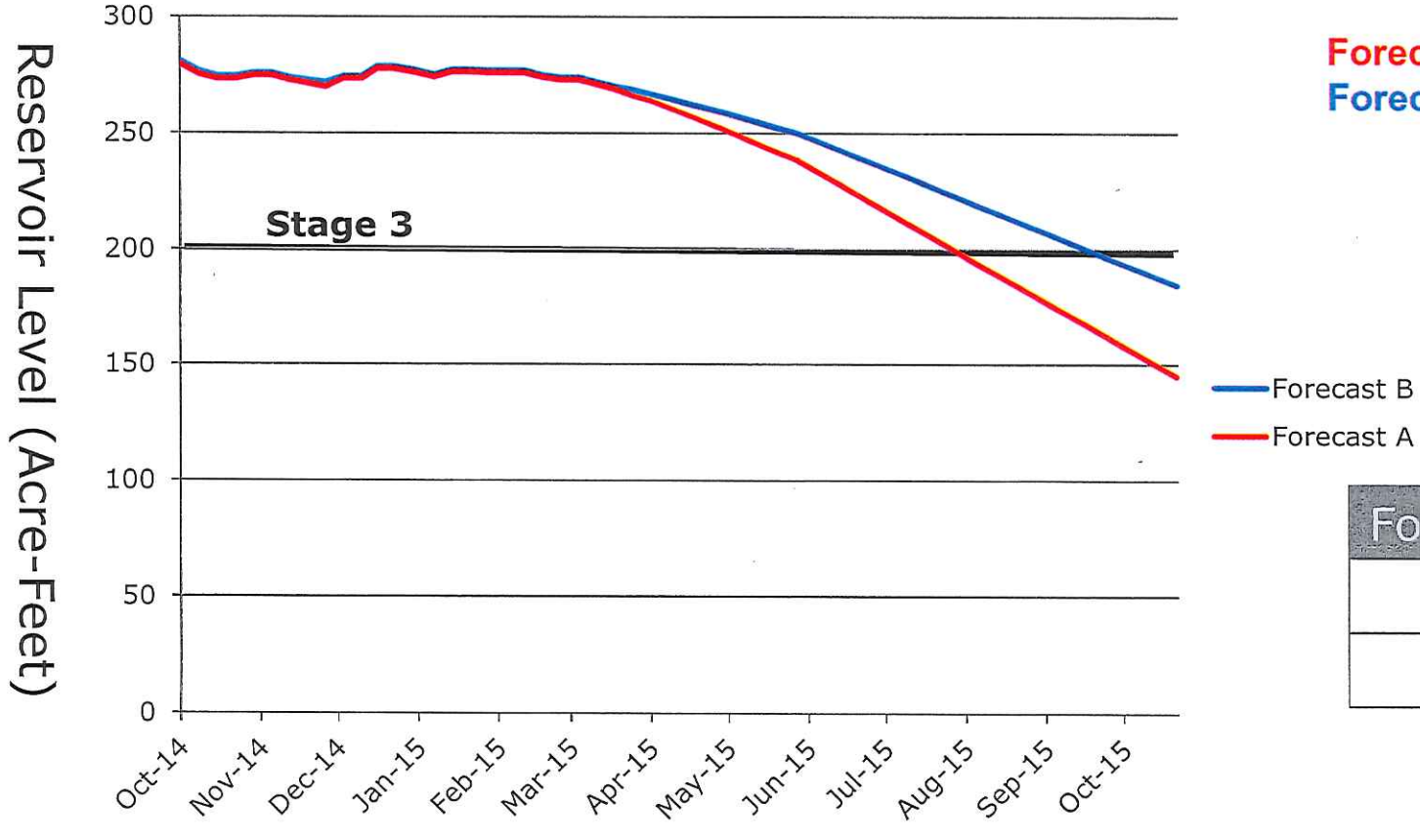
Water Allotment Violations – Flow Restrictors Issued



	Nov. 16 - 22	Nov. 23 - 29	Nov. 30 - Dec. 6	Dec. 14 - 20	Dec. 21 - 27	Dec. 28 - Jan. 3	Jan. 11 - 17	Jan. 18 - 24	Jan. 25 - 31	Feb. 8 - 14	Feb. 15 - 21	Feb. 22 - 28	Mar. 1 - 7	Mar. 18- 14	Mar. 15 - 21	Mar. 22 - 28	Mar. 29 - Apr. 1
Billing Statements Closed	417	311	244	440	382	277	657	374	373	573	414	502	275	672	503	588	79
Flow Restrictors Installed	19	12	6	22	16	9	1	1	0	3	2	5	2	15	8	9	3
Sum of % Flow Restrictors Installed	4.6%	3.9%	2.5%	5.0%	4.2%	3.2%	0.2%	0.3%	0.0%	0.5%	0.5%	1.0%	0.7%	2.2%	1.6%	1.5%	3.8%

Stage 3 Forecast

Successful Stage 2 Rationing may potentially extend the implementation of Stage 3 Rationing through Summer 2015



Forecast A – 3 Year Trend
Forecast B – 25% Rationing

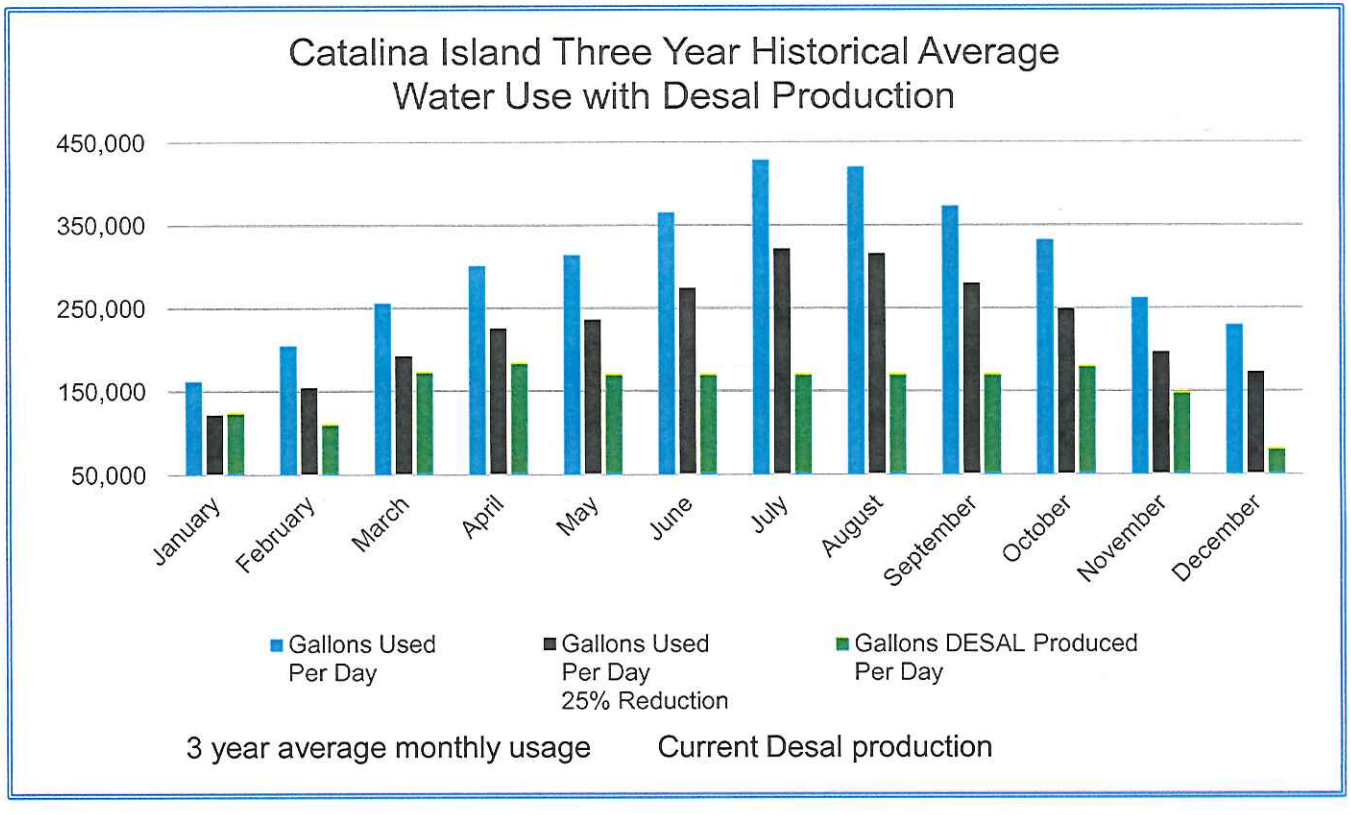
Forecast	Stage 3
A	Aug-15
B	Oct-15

Based on 3 year monthly average water sales with little or no rainfall.

Stage 3 Forecast Explanation

The following is how we apply our forecast methodology to July and August, our peak demand months:

- 3 year historical average (2012-2014):
  - July - 428,547 gpd
  - Aug - 420,348 gpd
- Stage 2 Rationing
  - July - 321,436 gpd
  - Aug - 315,235 gpd
- Average Monthly Desal Plant Production
  - May – Sept 169,709 gpd
- Daily demand on our ground water resources
  - July - 149,050 gpd
  - Aug – 173,332 gpd



1 Acre Foot = 325,851 gallons

For More Information

- If you have any general questions, a dedicated Catalina customer service representative can assist you at **1-800-367-8851** (*Monday through Friday 8:00 a.m. to 5:00 p.m.*).
  - Report potential water use violations
- **SCE's Web page for Catalina Island customers -** http://www.sce.com/catalina
  - Stage 2 FAQ and variance request forms also available

Water Conservation Tips

- **Save Our Water –** http://www.saveourh2O.org