

Catalina Island Stage 2 Water Rationing Update

**Avalon City Council
July 19, 2016**

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 July 14, 2016, the Reservoir water level was **161 acre feet**.

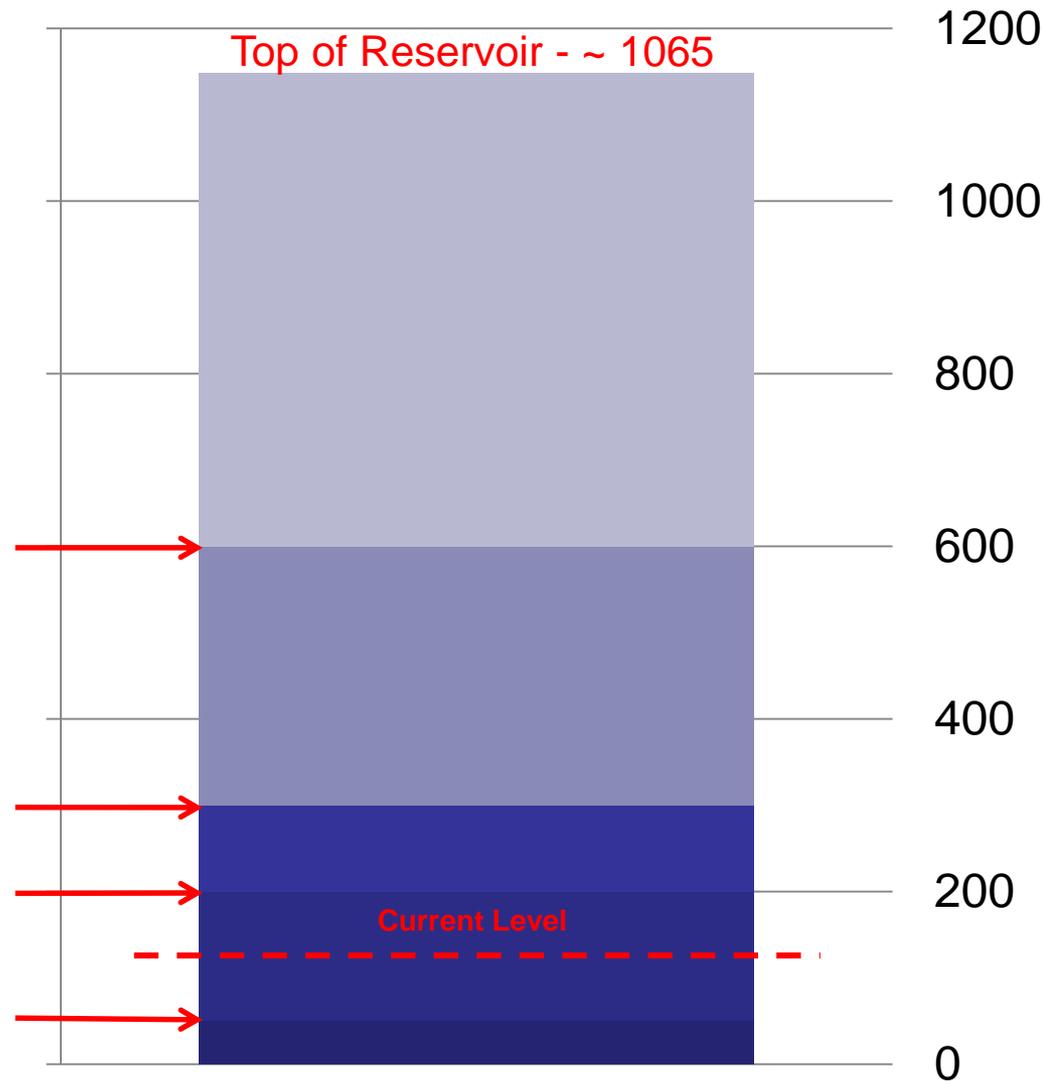
Stage 1 Mandatory Water Conservation -

Customers are restricted in certain ways from using water when the reservoir reaches **600 acre feet**

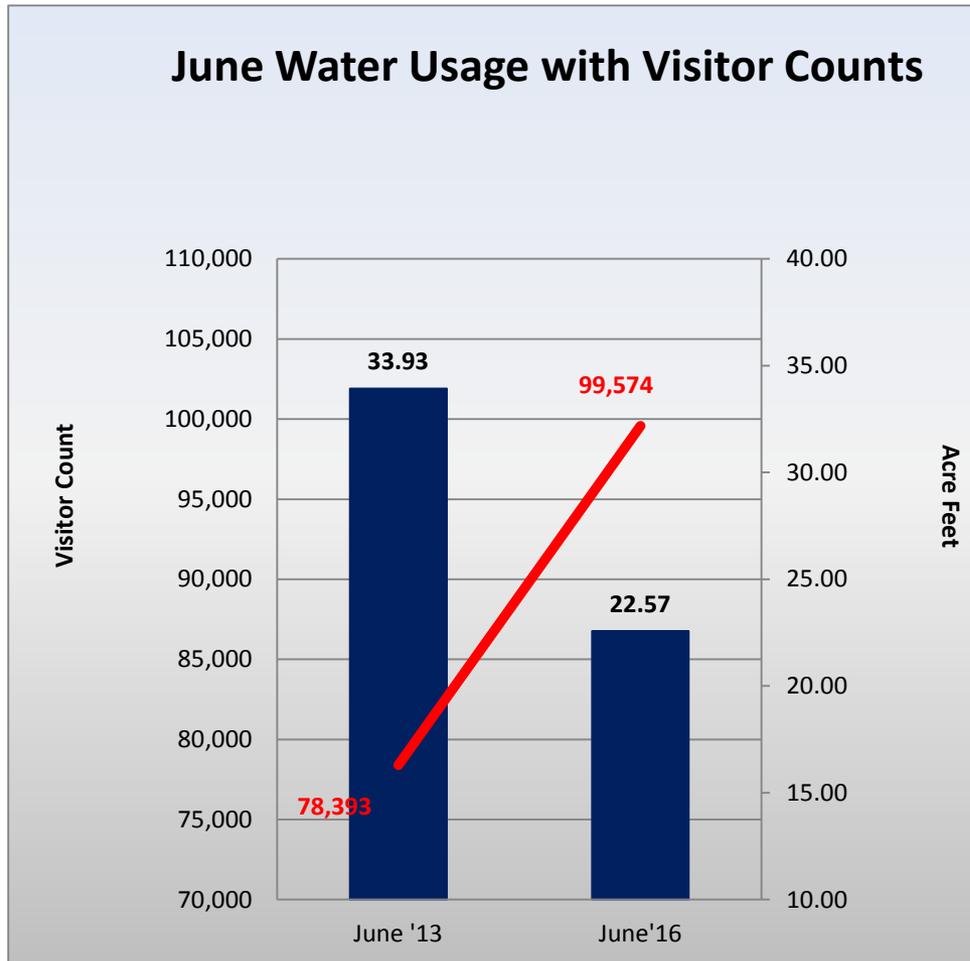
Stage 2 Mandatory Water Rationing - Customers' water usage will be reduced to **75%** of their base water usage amount if the reservoir reaches **300 acre feet**

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**



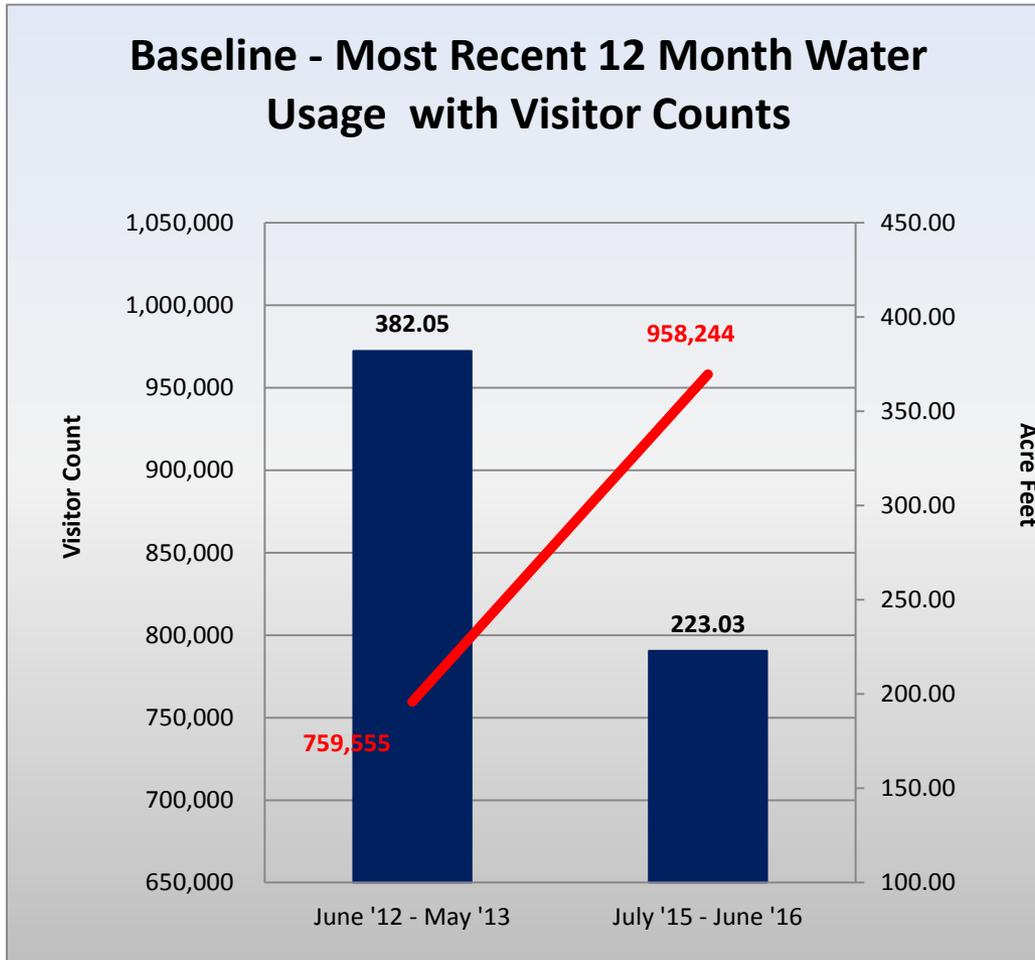
Water Usage with Visitor Counts June 2016 Compared to Baseline



■ June Usage
↓ 33.48%
from baseline

■ June Visitors
↑ Counts
27.02%
from baseline

Water Usage - Rolling 12 Months vs. Baseline Period (June, 2012 – May, 2013)



■ July '15 – June '16
Usage

↓ 41.62%

from 2012 Baseline

■ July '15 – June '16
Visitors

↑ 26.16%

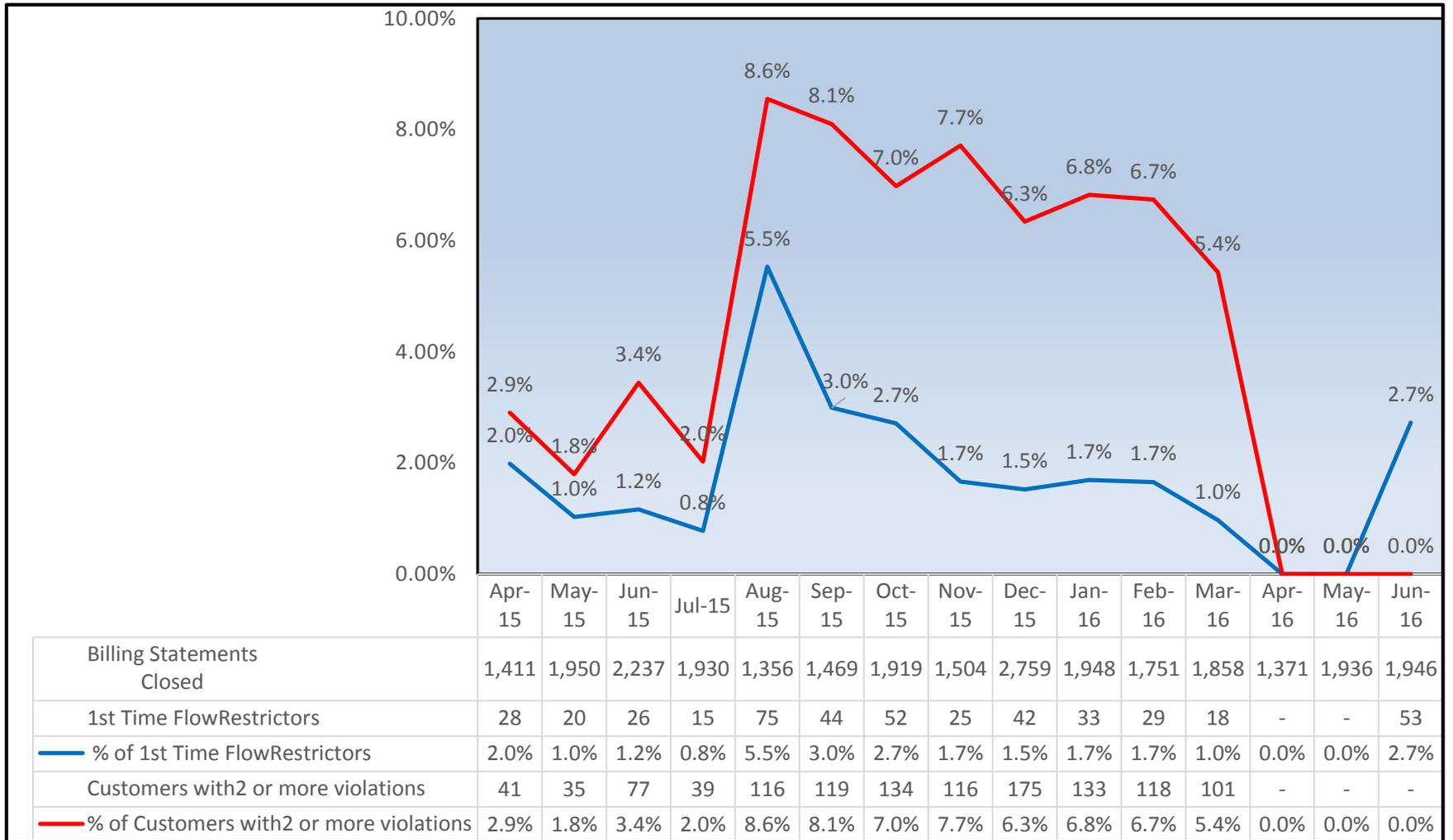
from 2012 Baseline

Water Usage - Customer Account Type Compared to Baseline (June, 2012 - May, 2013)

Customer Class	Baseline June, 2012 - May, 2013	Jan - Dec, 2015		Rolling 12 Months July, 2015 - June, 2016	
	Gallons Sold (Acre-Feet)	Gallons Sold (Acre-Feet)	% of Water Reduction from Baseline	Gallons Sold (Acre-Feet)	% of Water Reduction from Baseline
Residential	184	104	43%	103	44%
Comm'/Indust.	179	105	41%	108	39%
TOTAL	363	209	42%	211	42%

Rates of water reductions for Commercial and Residential accounts are near or above 40%

Water Allotment Violations

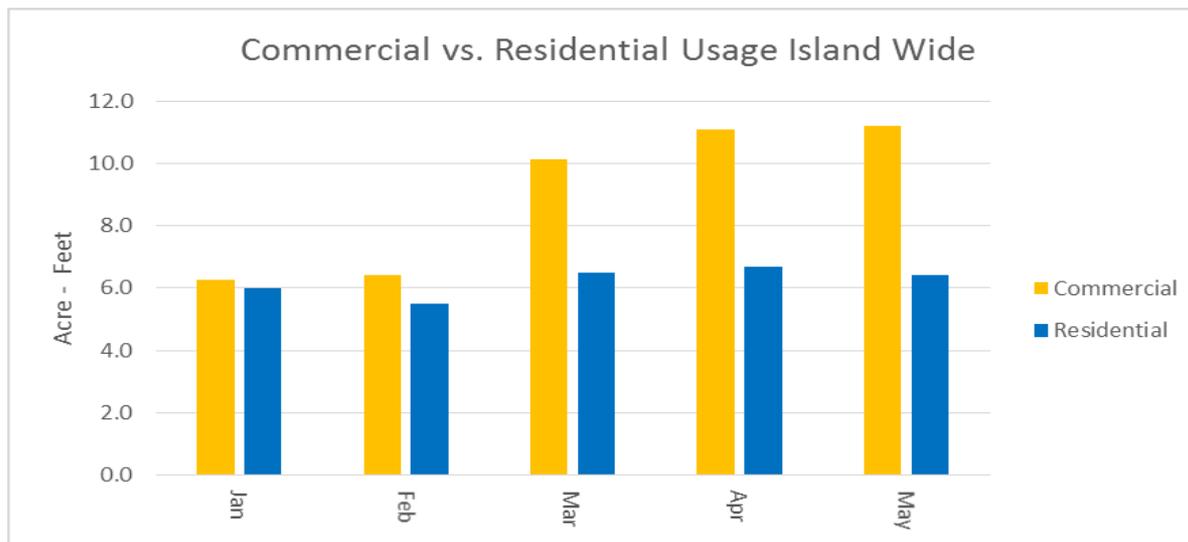


Footnote: * New water allotment fine structure took effect April 2016

Residential and Commercial Water Use

Residential	
Month (2016)	Acre-Feet
January	6.0
February	5.5
March	6.5
April	6.7
May	6.4

Commercial	
Month (2016)	Acre-Feet
January	6.3
February	6.4
March	10.1
April	11.1
May	11.2



Note: 1 Acre-foot = 325,851 Gallons

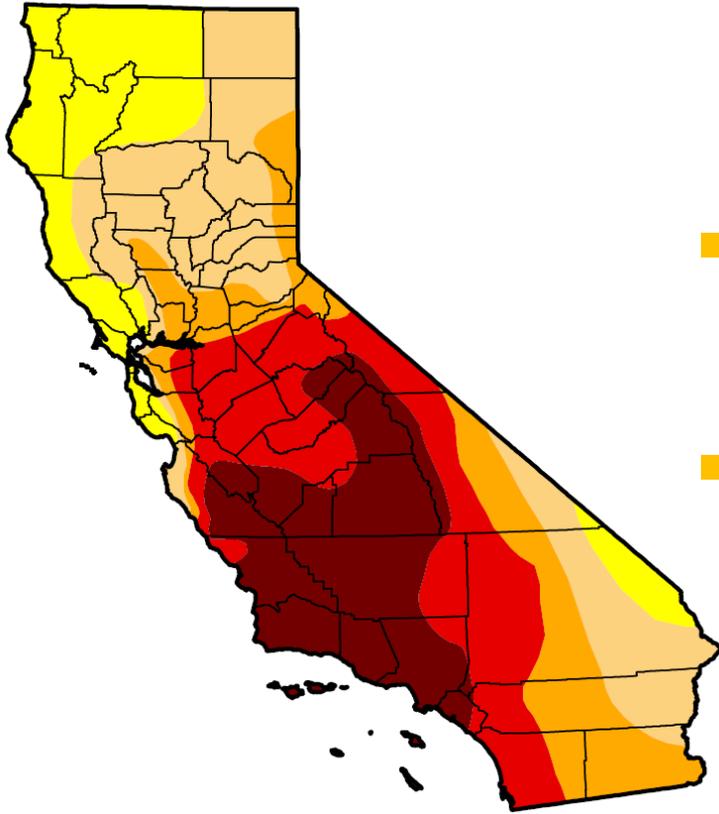
Desalination Plant #2



- **Seawater Mode Operation**
 - SCE received our Division of Drinking Water (DDW) permit amendment on March 21 to operate Desalination Plant #2 in seawater mode
 - Plant #2 is in service and has produced **nearly 8 million gallons** of drinking water since April
- **Brine Mode Operation**
 - **DDW permit amendment received July 15**
 - DDW added a condition to the permit that requires blending the water produced from Desal Plant #1 & #2 before entering the distribution system
 - Engineering: complete
 - Installation & Commissioning:
 - Construction complete
 - Startup in progress
 - Operation in brine mode: Targeting week of July 18
- **Project Funding**
 - Actively seeking available grant funding opportunities and finalizing contribution reimbursements from public agencies to mitigate the impact on customers

Stage 3 Update

43% of state under Extreme or Exceptional Drought Conditions



Source: U.S. Drought Monitor

- Due to the continued threat of California's historic drought, depleting ground water reserves, and an anticipated La Nina climate pattern in 2016/17, further drought mitigation measures must immediately be implemented
- SCE will be **activating our Stage 3 Mandatory Water Rationing Plan on Tuesday, September 6**
- Rationing levels determined based on the following criteria
 - Water system
 - Volumetric use
 - Customer account type

Stage 3 Water Allotments

- **Avalon customers, excluding Hamilton Cove**
 - Allotment will be a 40% reduction from baseline use (June 2012 – May, 2013)
- **Hamilton Cove and Interior**
 - Allotment will be a 50% reduction from baseline use
- **Approved Stage 2 Variances**
 - Customers with an approved Stage 2 water allotment variance will receive an adjusted allotment equivalent to a 40% or 50% reduction
- **Utilizing an allotment ceiling and floor**
 - More stringent rationing levels for high usage customers
 - Minimize the impacts to low usage customers
 - Ceiling and floor amounts are TBD

Stage 3 – Water Use Restrictions & Prohibitions

Stage 2 water use restrictions and prohibitions are still in effect.

- E.g. using drinking water for washing buildings, filling swimming pools, etc.

Additionally, the **watering** of plants, gardens, or ornamental landscaping by drip irrigation or hand watering with a quick acting positive action shut-off nozzle or turf and lawns with sprinkler systems shall be **limited to Tuesdays only**, during the hours of 6:00 p.m. to 7:00 p.m., during the period Pacific Daylight Time is in effect, and 5:00 p.m. to 6:00 p.m., during the period Pacific Standard Time is in effect. Watering by use of a container or bucket, not exceeding a three-gallon capacity, will be permitted at any time on Tuesdays unless the water is recycled (e.g., collected in showering buckets) which will be permitted on any day.



Increased Water Conservation and Rationing Now Required

**There is no water to waste.
Use wisely.**

For water-saving tips and more information, visit saveourh2o.org



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Stage 3 - Implementation Timeline

September 6 Activation

Stage 3 Milestones	Date (2016)
Announce Stage 3 activation date at City Council Meeting	July 19
File Tier 2 Advice Letter with CPUC to implement Stage 3 (30 days prior to Stage 3)	July 29
Mail customer allotment letters, public meeting notice, and Frequently Asked Questions	Week of Aug 1
Public Meeting Notice runs in Local Newspapers	August 11-12
Public Meeting for Tier 2 Advice Letter	August 24
Activate Stage 3	September 6

Additional Outreach Meetings to occur by August 26

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>