

Catalina Island Stage 2 Water Rationing Update

**Avalon City Council
August 16, 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 August 11, 2016, the Reservoir water level was **147 acre feet**.

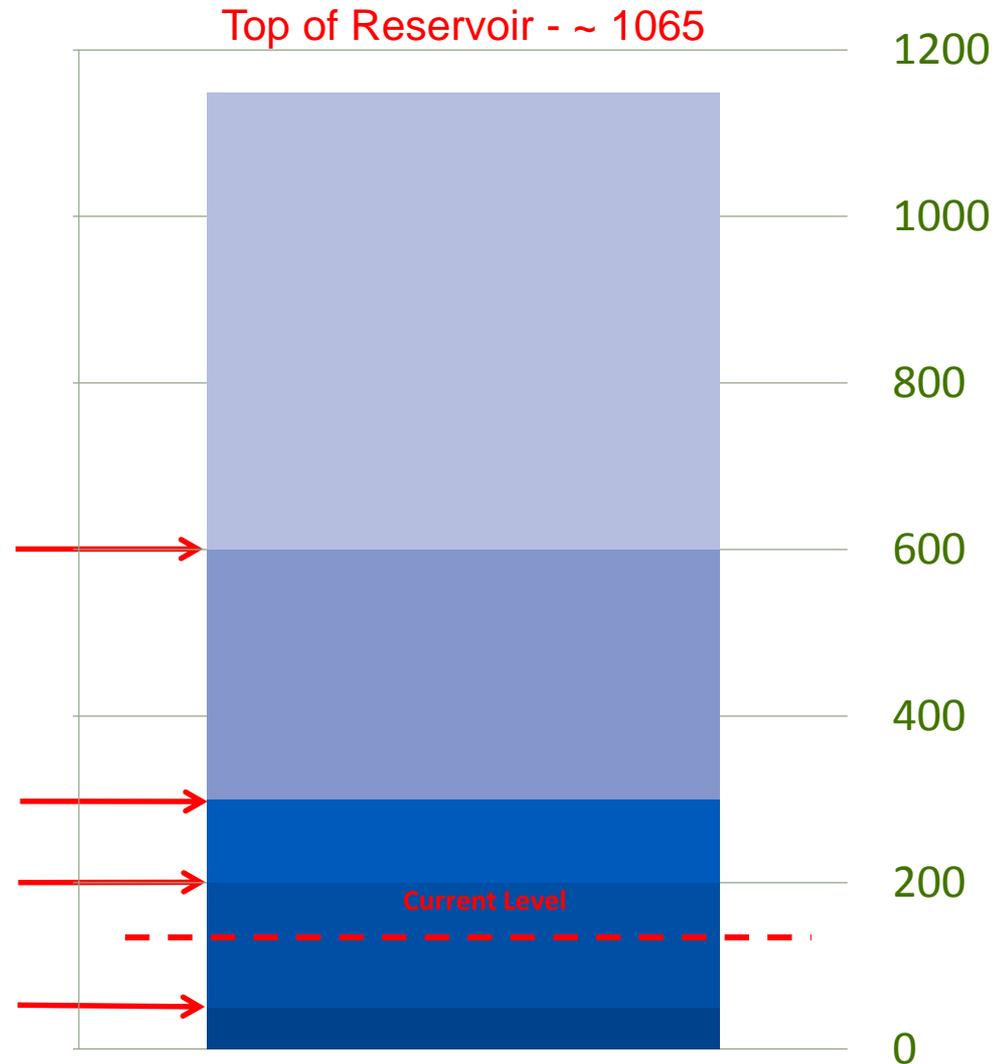
Stage 1 Mandatory Water Conservation -

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

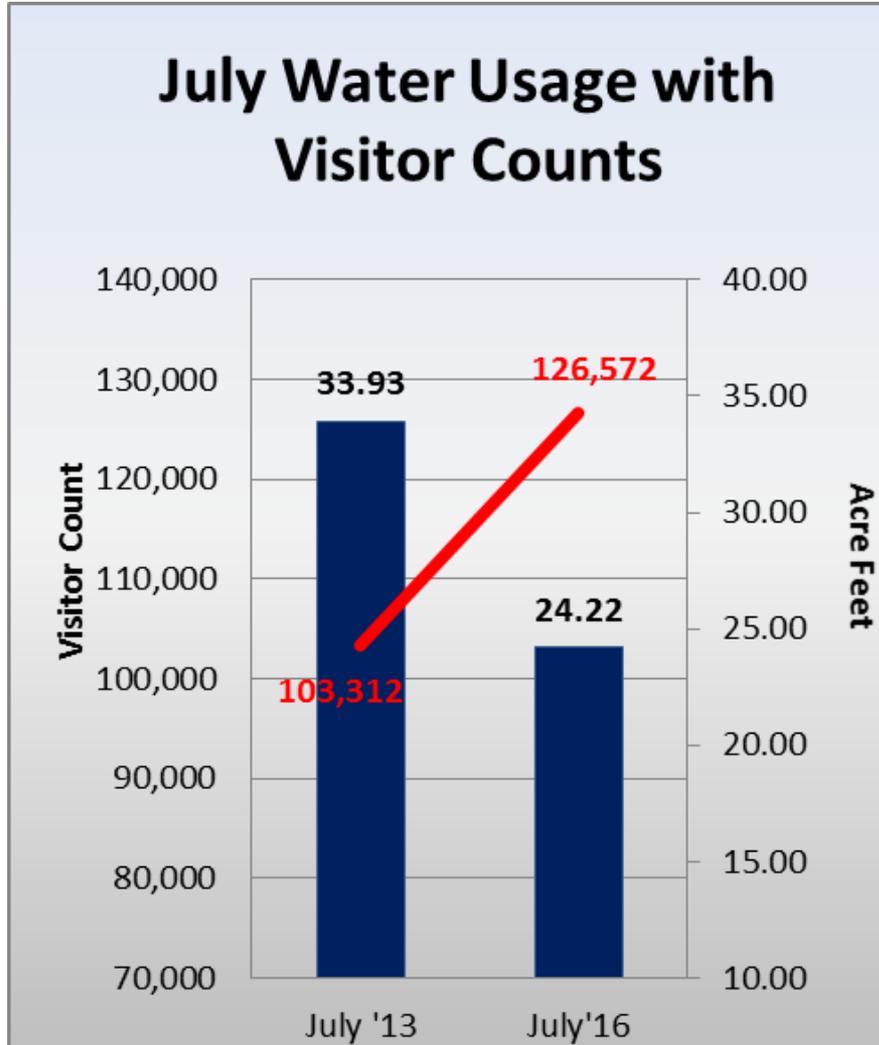
Stage 2 Mandatory Water Rationing - Customers' water usage will be reduced to **75%** of their base water usage amount if the reservoir reaches **300 acre feet**

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**



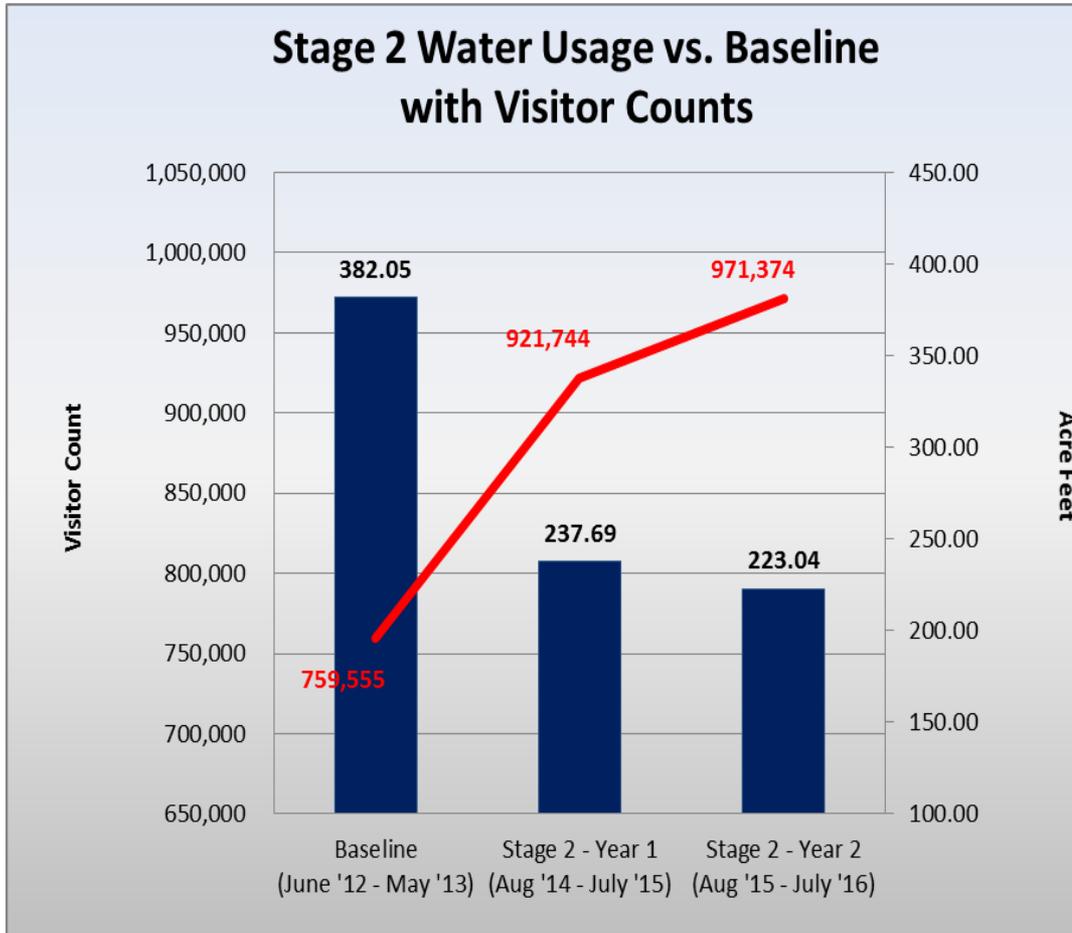
Water Usage with Visitor Counts July 2016 Compared to Baseline



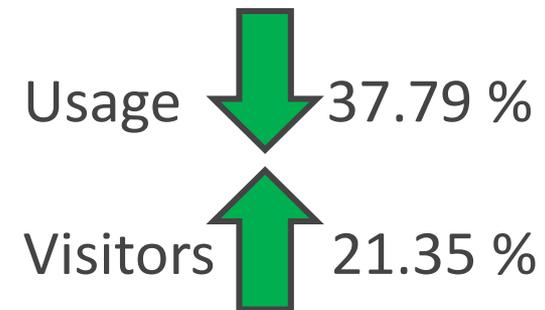
■ July Usage
↓ 28.62%
from baseline

■ July Visitors
↑ Counts
22.51%
from baseline

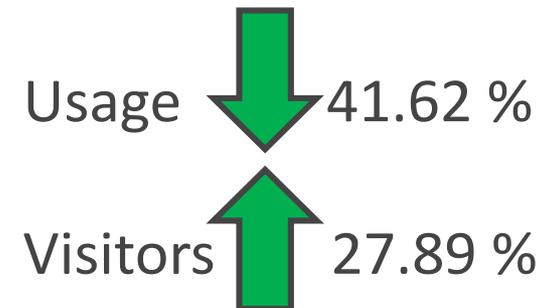
Stage 2 Water Usage vs. Baseline Period (June, 2012 – May, 2013)



Year 1 vs. Baseline



Year 2 vs. Baseline



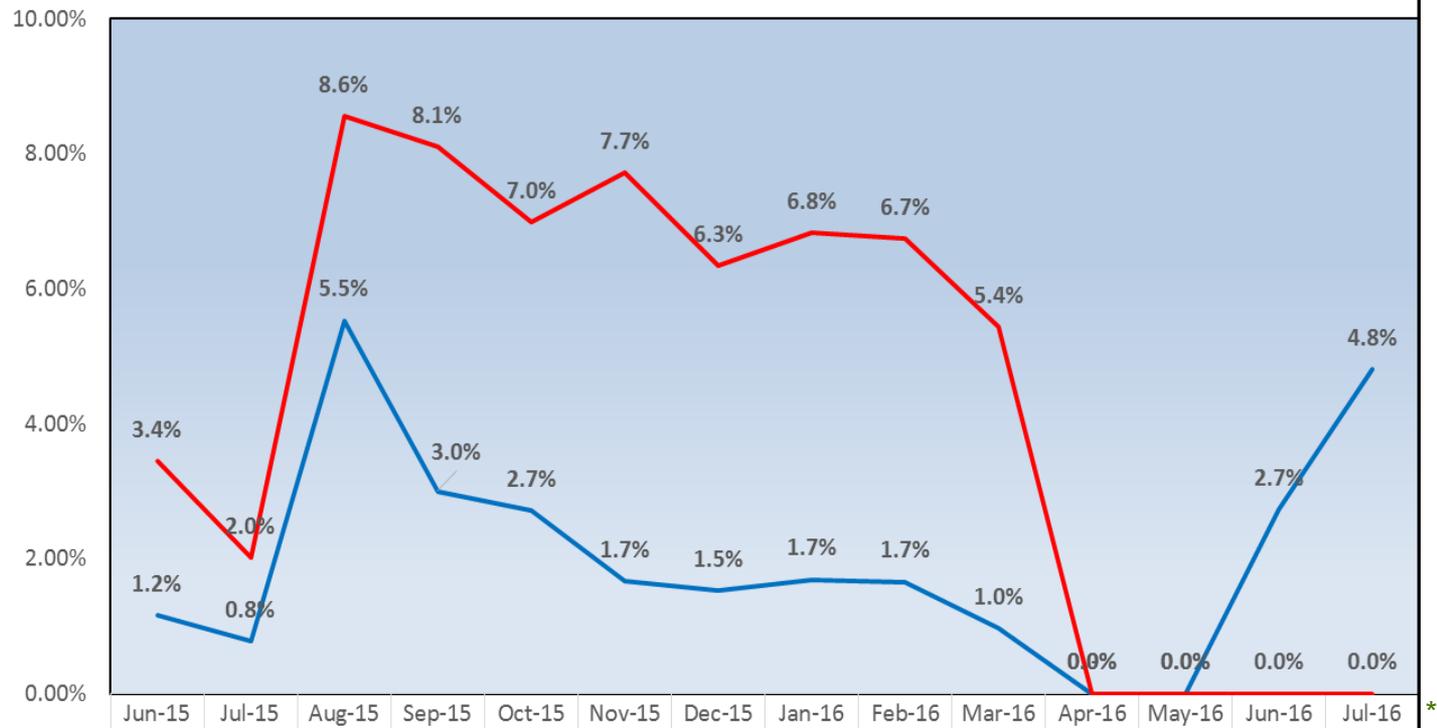
Water Usage - Customer Account Type Compared to Baseline (June, 2012 - May, 2013)

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Customer Class	Baseline June, 2012 - May, 2013	Jan - Dec, 2015		Rolling 12 Months August, 2015 - July, 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%	102	45%
Comm'/Indust.	179	105	41%	96	46%
TOTAL	363	209	42%	198	45%

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

Water Allotment Violations



Billing Statements Closed	2,237	1,930	1,356	1,469	1,919	1,504	2,759	1,948	1,751	1,858	1,371	1,936	1,946	1,687
1st Time Flow Restrictors	26	15	75	44	52	25	42	33	29	18	-	-	53	81
— % of 1st Time Flow Restrictors	1.2%	0.8%	5.5%	3.0%	2.7%	1.7%	1.5%	1.7%	1.7%	1.0%	0.0%	0.0%	2.7%	4.8%
Customers with 2 or more violations	77	39	116	119	134	116	175	133	118	101	-	-	-	-
— % of Customers with 2 or more violations	3.4%	2.0%	8.6%	8.1%	7.0%	7.7%	6.3%	6.8%	6.7%	5.4%	0.0%	0.0%	0.0%	0.0%

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

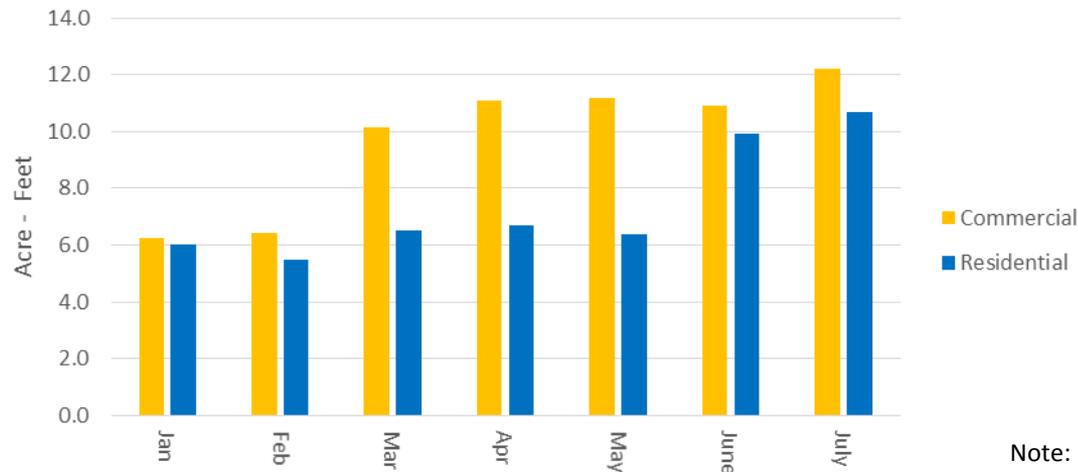
Residential and Commercial Water Use

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Residential	
Month (2016)	Acre-Feet
January	6.0
February	5.5
March	6.5
April	6.7
May	6.4
June	9.9
July	10.7

Commercial	
Month (2016)	Acre-Feet
January	6.3
February	6.4
March	10.1
April	11.1
May	11.2
June	10.9
July	12.2

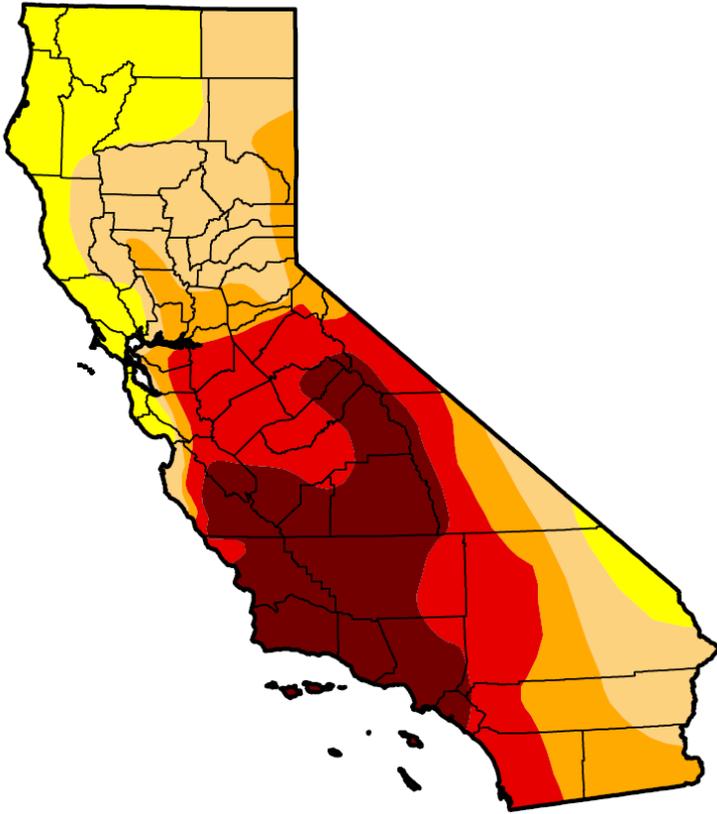
Commercial vs. Residential Usage Island Wide



Note: 1 Acre-foot = 325,851 Gallons

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 water usage amount before water conservation began (June 2012 – May, 2013)
 - For example, a customer's allotment for the month of September 2016 would be 40% less than the amount of water they used in September 2012.
- **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
- If a customer had no consumption for all or part of the base water usage period, SCE
 - utilized water usage from July 2015 – June 2016, or
 - estimated the base water usage amount using the average consumption of similar types of customers

Stage 3 Allotment Ceiling and Floors

- 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 based on customer classification

Stage 3 Water Allotment - Ceiling and Floor Amounts					
Customer Classification	Rates	Floor		Ceiling	
		Gallons Per Month	Gallons Per Day	Gallon Per Month	Gallons Per Day
Single Family	DE-W-1, W-1-R, W-1-R-10, W-1-R-CARE, W-1-RDS, W-1-RDS-10, and W-1-RDS-CARE	1,000	33	6,000	200
Multi-family	W-1-RM	1,000	33	65,000	2,166
Commercial / Industrial	W-1-GS	1,000	33	75,000	2,500
Irrigation	W3	N/A	N/A	5,000	166

The 40-50% Water Rationing Will Be Strictly Enforced

First offense:	SCE will send the customer a warning letter.
Second offense:	SCE will install a flow-restricting device on the customer's water service line. The device will decrease water pressure by 50 percent or less and SCE will remove the device after three business days, and upon payment of a \$200 device removal charge. If a device cannot be installed due to a dual water service/fire protection meter or a meter size that does not accommodate such a device, a \$250 fine will be imposed.
Third offense:	SCE will impose a fine of \$50 and will re-install a flow-restricting device, if previously removed. If a flow-restricting device cannot be installed for the reasons identified above, a \$100 fine will be imposed.
Each Additional Offense:	SCE will impose a fine of \$50 more than the previously imposed fine, not to exceed \$500, and will re-install a flow-restricting device, if previously removed. SCE will impose a fine of \$50 more than the previously imposed fine, not to exceed \$500, and will re-install a flow-restricting device, if previously removed. If a flow-restricting device is not able to be installed for the reasons identified above, SCE will impose a fine \$100 more than the previous fine imposed not to exceed \$500.

Any tampering with flow-restricting device by a customer can result in fines or discontinuation of water use at SCE's discretion.

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)	August 4
Mail customer allotment letters, public meeting notice, and Frequently Asked Questions	August 10
Public Meeting Notice runs in Local Newspapers	August 11-12 August 18 - 19
West End Outreach Meeting	August 17
Public Meeting for Tier 2 Advice Letter	August 24
Activate Stage 3	September 6

Stage 3 Mandatory Water Conservation and Rationing Public Meetings

Southern California Edison (SCE) will be holding two public meetings to explain the proposed Stage 3 activation and to answer questions.

Wednesday August 24, 2016

Avalon School

200 Falls Canyon Road

Avalon, CA 90704

10:00 a.m. – 12:00 p.m.

Open House from 10:00 a.m. to 10:30 a.m.

Presentation will begin at 10:30 a.m.

6:00 p.m. – 8:00 p.m.

Open House from 6:00 p.m. to 6:30 p.m.

Presentation will begin at 6:30 p.m.

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.saveourwater.com>**