

Catalina Island Stage 2/3 Water Rationing Update

**Avalon City Council
October 18, 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 October 13, 2016, the Reservoir water level was **127 acre feet**.

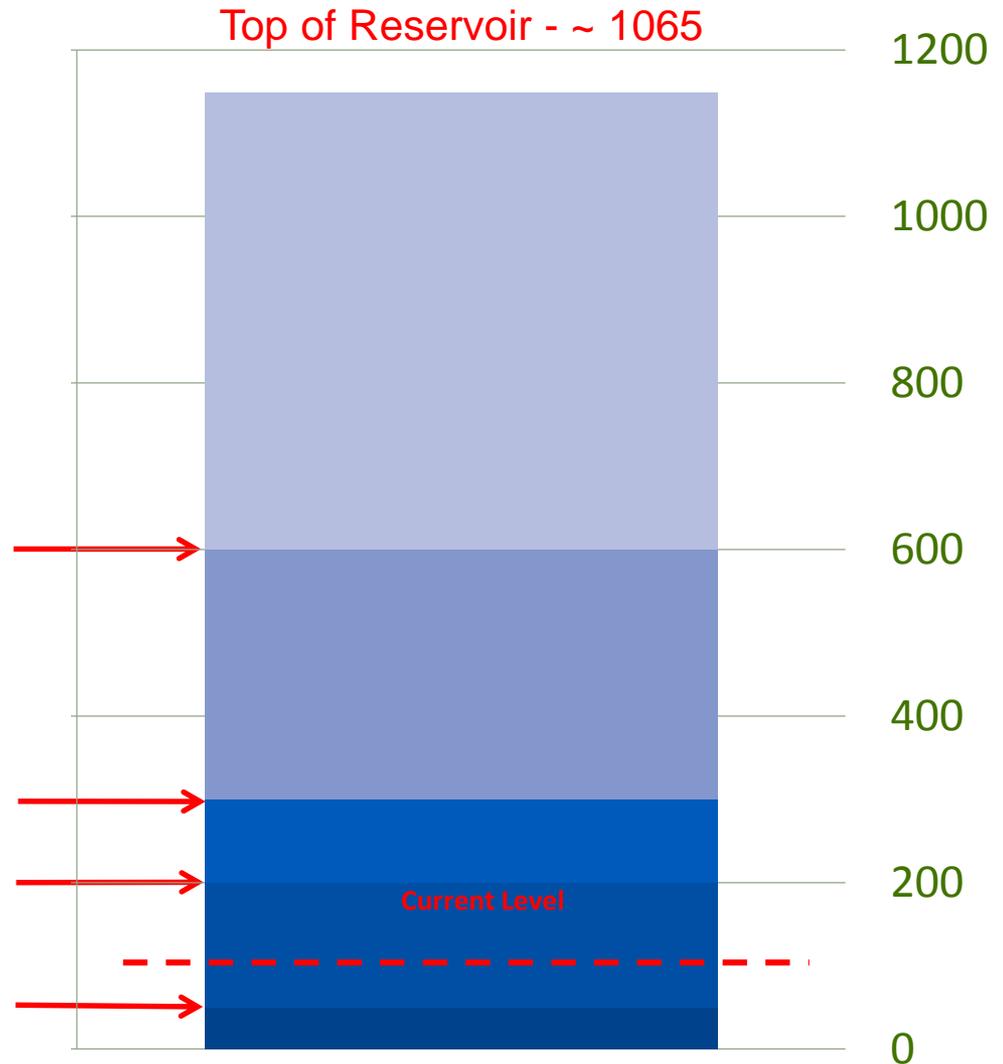
Stage 1 Mandatory Water Conservation -

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

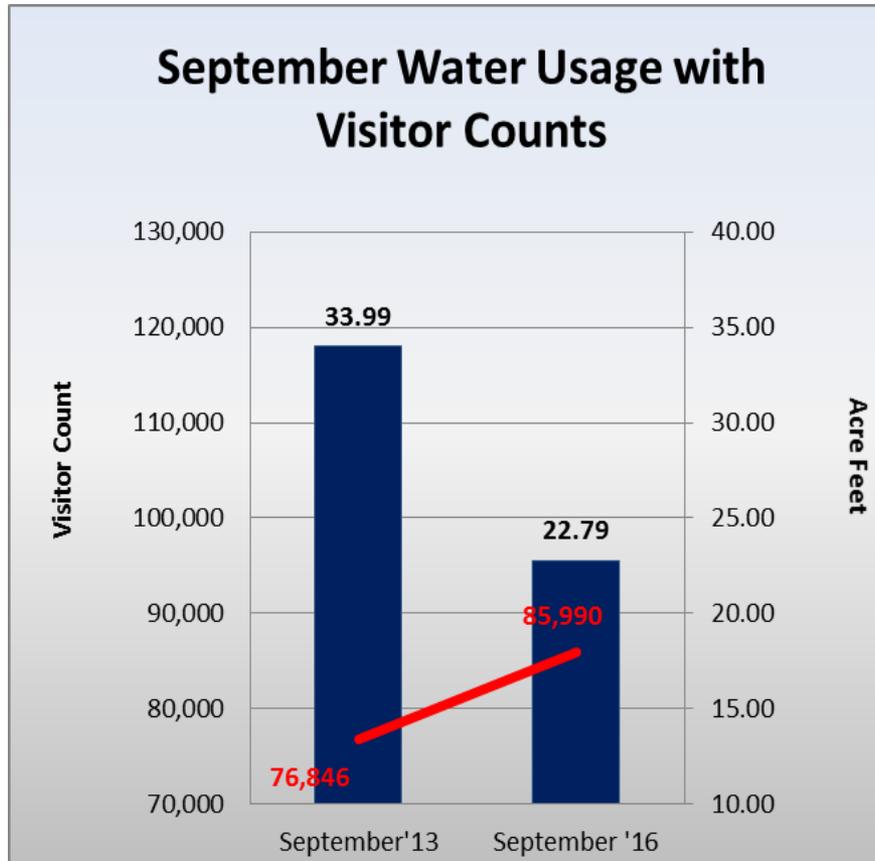
Stage 2 Mandatory Water Rationing - Customers' water usage will be reduced to **75%** of their base water usage amount if the reservoir reaches **300 acre feet**

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**



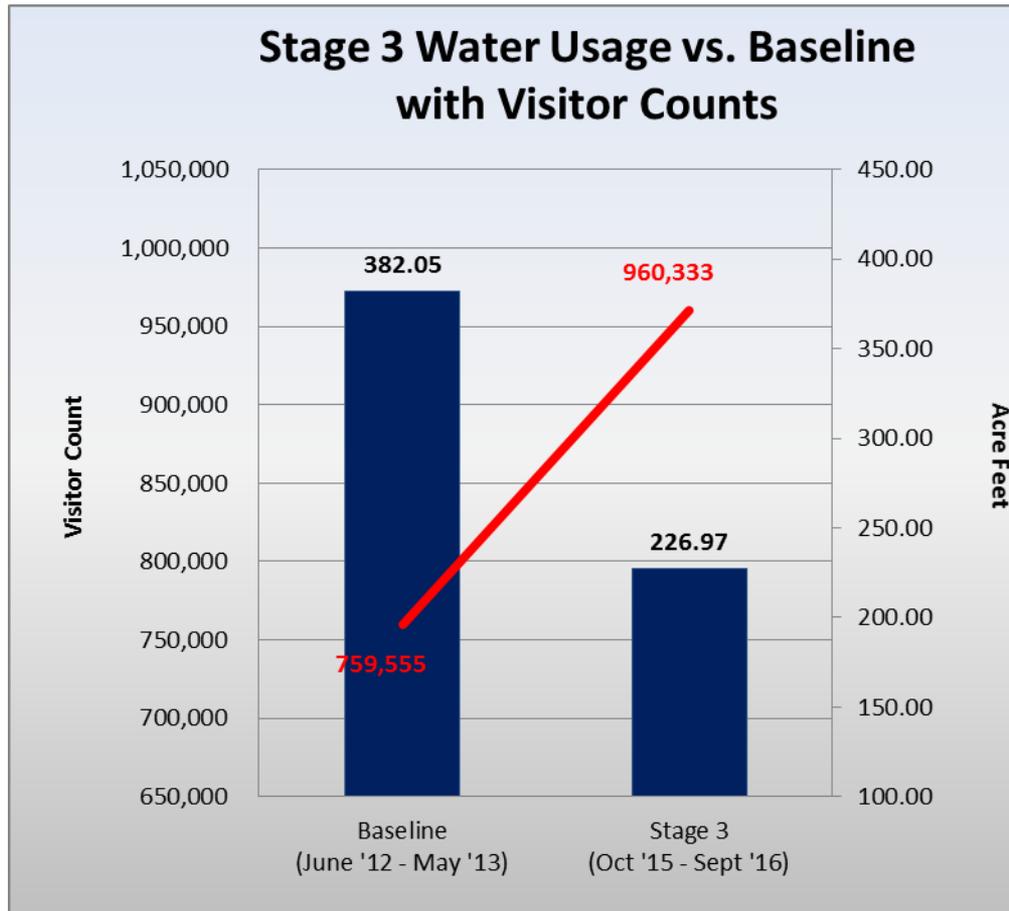
Water Usage with Visitor Counts August 2016 Compared to Baseline



Sept Usage
↓ 32.95%
from baseline

Sept Visitors Counts
↑ 11.90%
from baseline

Stage 2 Water Usage Rolling 12 Months vs. Baseline Period (June, 2012 – May, 2013)



Oct '15 – Sept. 16
Usage ↓
40.59 % from
Baseline

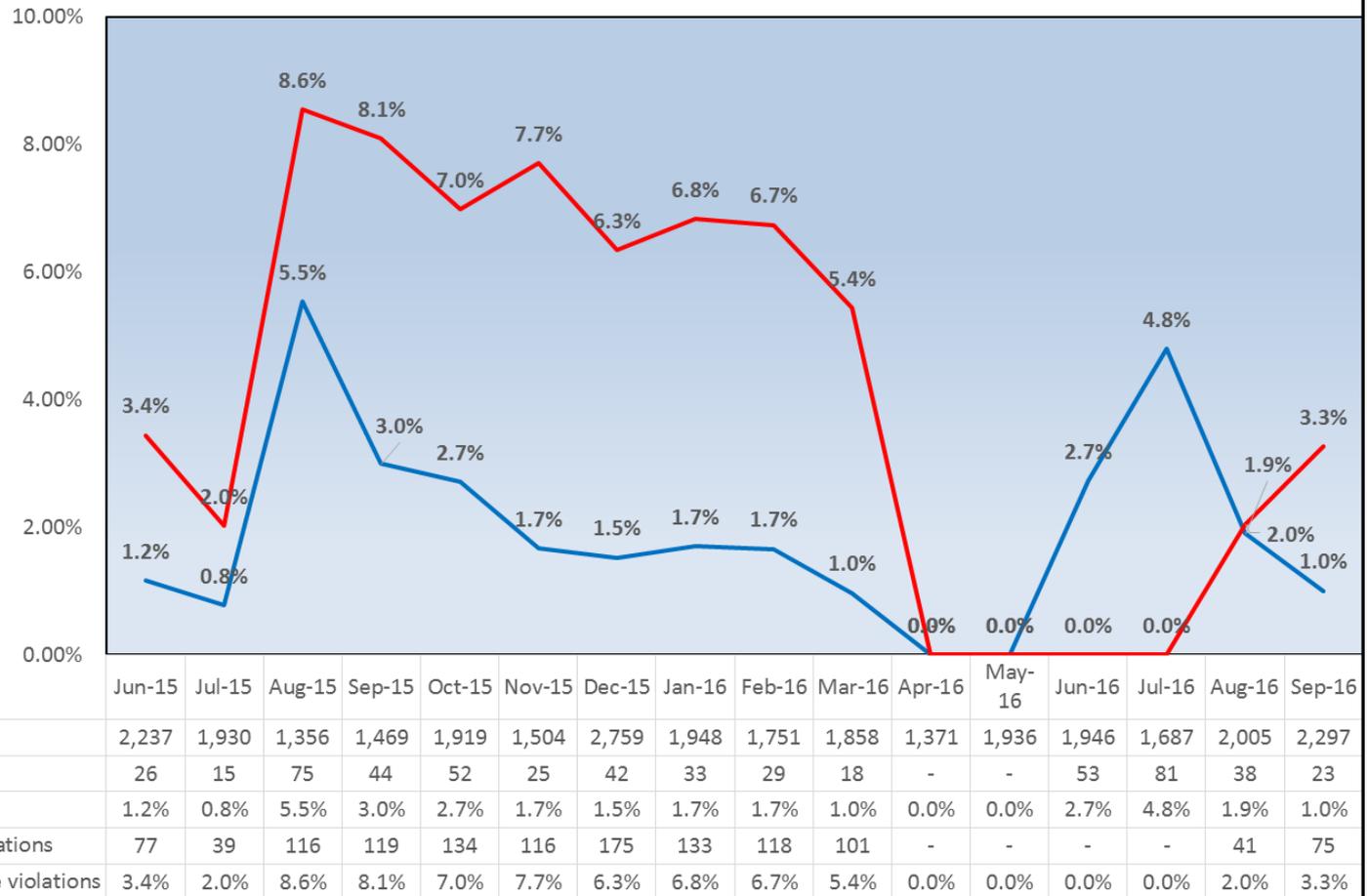
Oct '15 – Sept '16
Visitors ↑
26.43 % from
Baseline

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 Oct, 2015 - Sept, 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%	112	37%
TOTAL	363	209	42%	214	41%

Rate of water reduction for Residential accounts are near or above 40%
Rate of water reduction for Commercial accounts are near or slightly under 40%

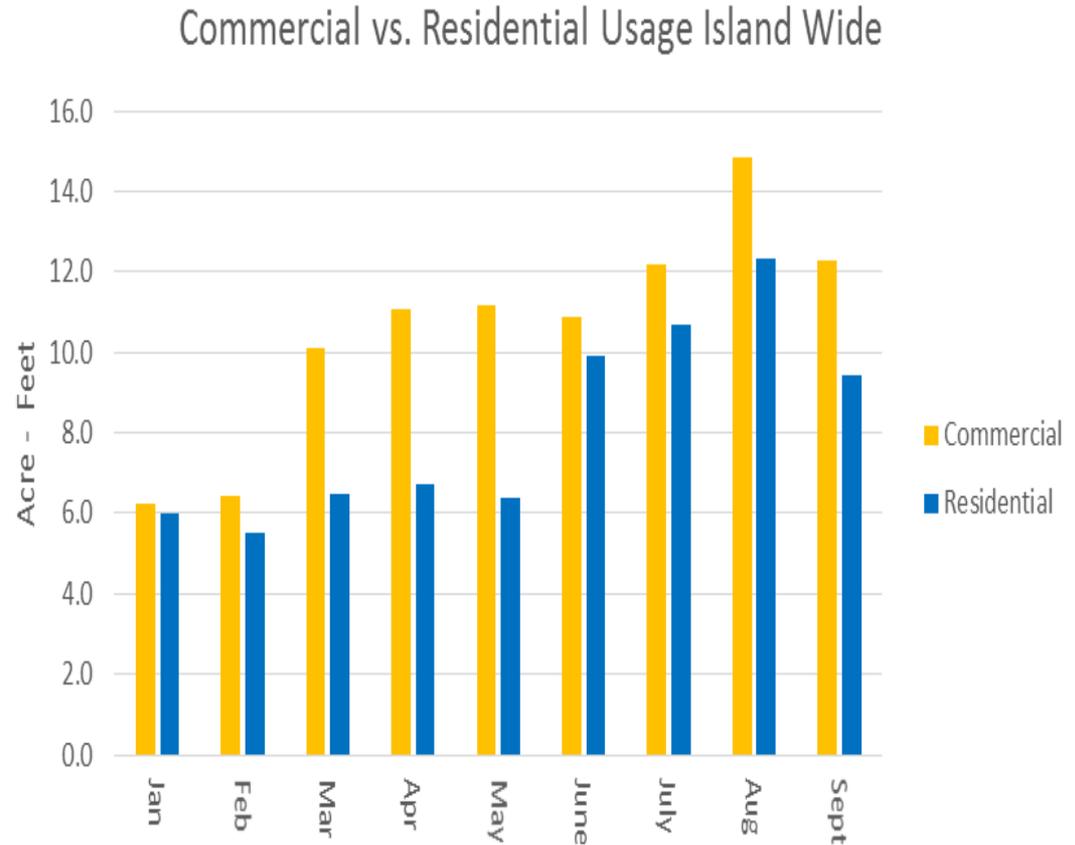
Water Allotment Violations



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

Residential and Commercial Water Sales - Island Wide

Month (2016)	Residential (Acre-Feet)	Commercial (Acre-Feet)
January	6.0	6.3
February	5.5	6.4
March	6.5	10.1
April	6.7	11.1
May	6.4	11.2
June	9.9	10.9
July	10.7	12.2
August	12.3	14.8
September	9.43	12.29



Note: 1 Acre-foot = 325,851 Gallons

Drought Mitigation Iterative Plan

Desal Plant #2

- In partnership with City of Avalon and Los Angeles County
- First phase of desalination expansion
- Seawater mode in-service April 2016
- Brine mode in-service July 2016
- Extended Stage 3 activation date

Grant Funding

- Department Of Water Resources Desalination Grant
- World renowned desalination expert is underway on desalination expansion report
- Preliminary grant guidelines are pending
- SWRCB Drinking Water State Revolving Fund
- Revisit possible opportunity with Disadvantage Community Designation
- United State Bureau of Reclamation Grants
- Applications submitted May 2016

Additional Projects

- Stages 1 – 3 Mandatory Conservation & Rationing
- Drought Contingency Study completed May 2015
- Modified Schedule 14.1 Water Conservation and Rationing Plan in November 2015
- Well monitoring equipment installed throughout system in November 2015
- Whittley Reservoir Rehabilitation assessment in-progress

Grant Funding Update

Agency	Grant Opportunity	Submittal Date	Grant Amount	Status
Pending				
State Revolving Fund	Drinking Water State Revolving Fund	December-15	TBD	Project ineligible for grant. Reassessing opportunity with DAC Survey results
State Regional Water Board	SWRCB Groundwater Quality Prop 1	May-16	Annual appropriation \$19.5M	Project ineligible for grant. Reassessing opportunity with DAC Survey results
U.S. Bureau of Reclamation	USBR Emergency Grant opportunity	May-16	Surplus emergency funds-unknown amount	In Review by USBR
In Planning/Execution				
Department of Water Resources	DWR Desalination Grant - Round 4	Fall 2016-Spring 2017	TBD (Round 3 was \$3M with 50% match unless DAC) \$50M available	Awaiting preliminary guidelines

Grant Funding Update (cont.)

Agency	Grant Opportunity	Submittal Date	Grant Amount	Status
Tracking				
Department of Water Resources	Water-Energy Grant	November-16	\$19M assigned to program, up to \$3M per proposal	Monitoring
State Water Resources Control Board	Drinking Water State Revolving Fund	TBD	Construction Grants- Max \$5M matching grant (if DAC from 80% to 100% principal forgiveness) Planning Grants -up to 500,000K	Monitoring
California Energy Commission	Epic Grant Funding	TBD	Guidelines to be released in Q4 2016	Monitoring
U.S. Bureau of Reclamation	WaterSmart Grant-Water and Energy Efficiency Grants	TBD	TBD - previous round of funding was up to \$300k for 1-2 year projects, up to \$1 million for 2-3 year projects - Maximum award \$1M per grant recipient - Minimum 50% local cost share	Monitoring
U.S. Bureau of Reclamation	Small Scale Water Efficiency Projects	TBD	Up to 150K - in draft guideline stage	Monitoring
U.S. Department of Agriculture	Rural Development Grant	TBD	Funds may be available with DAC designation	Monitoring
Federal Drinking Water Safety & Infrastructure Act	Funding to Support Drinking Water Facilities.	TBD	draft guidelines have not been released	Monitoring

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>**