

Water Supply and Water Use Efficiency

Francie Kennedy

City of San Juan Capistrano

(949) 487-4304

fkennedy@sanjuancapistrano.org

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Metropolitan Water District of Southern California

- Regional water wholesaler
 - Serves 6 counties, 19 million people
 - 5,200 square mile service area
 - \$1 trillion regional economy
 - 50%+ of region's supply



Sources of Water for Southern California





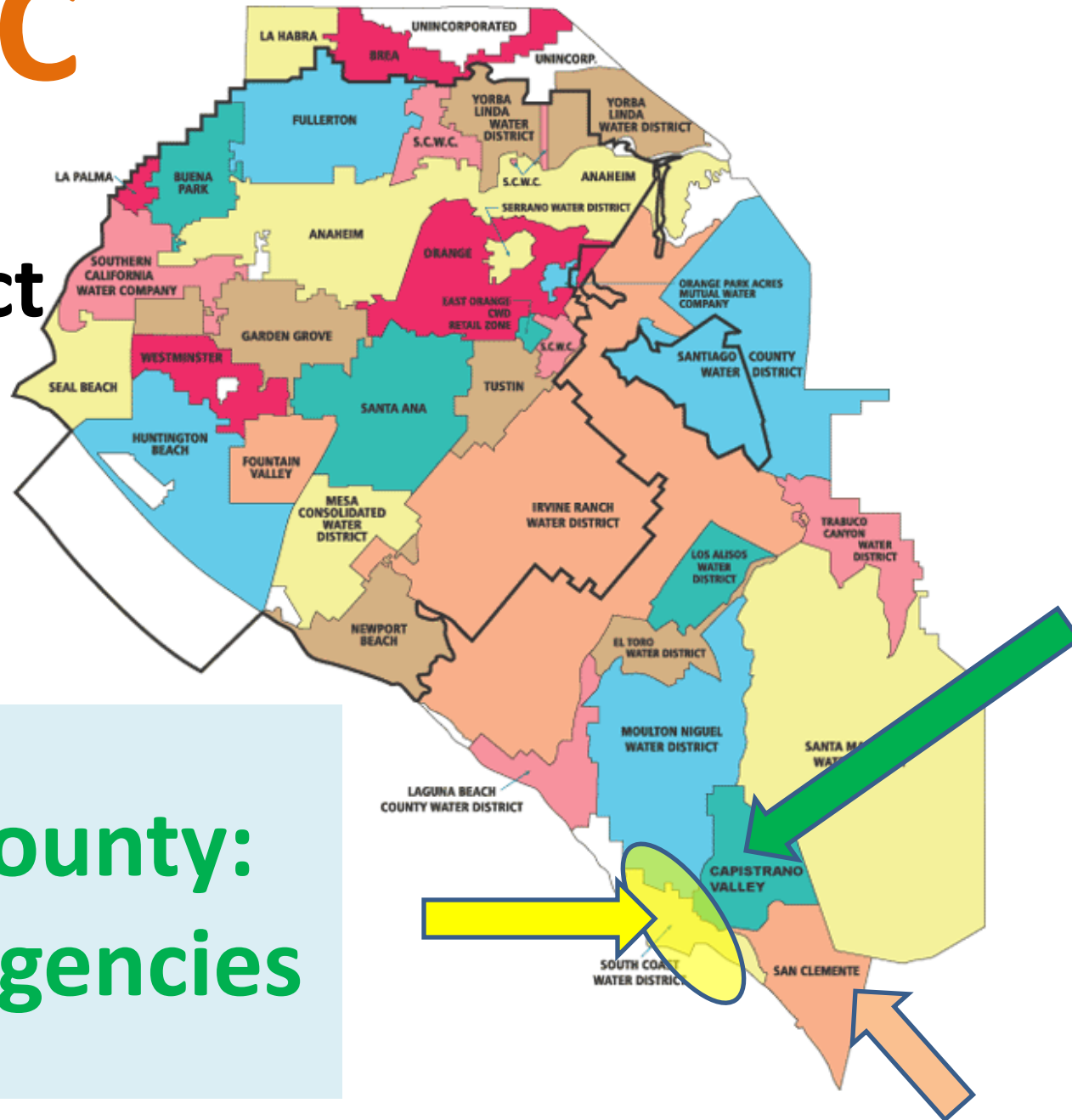
METROPOLITAN'S MEMBER AGENCIES

LEGEND

- Department of Water Resources' California Aqueduct
- Metropolitan's Colorado River Aqueduct
- Water Filtration Plants

MWDOC

Municipal Water District of Orange County



South County:
Tri-City Agencies

How quickly things change!

December 3, 2012:

“Ferocious storms fill California's reservoirs”

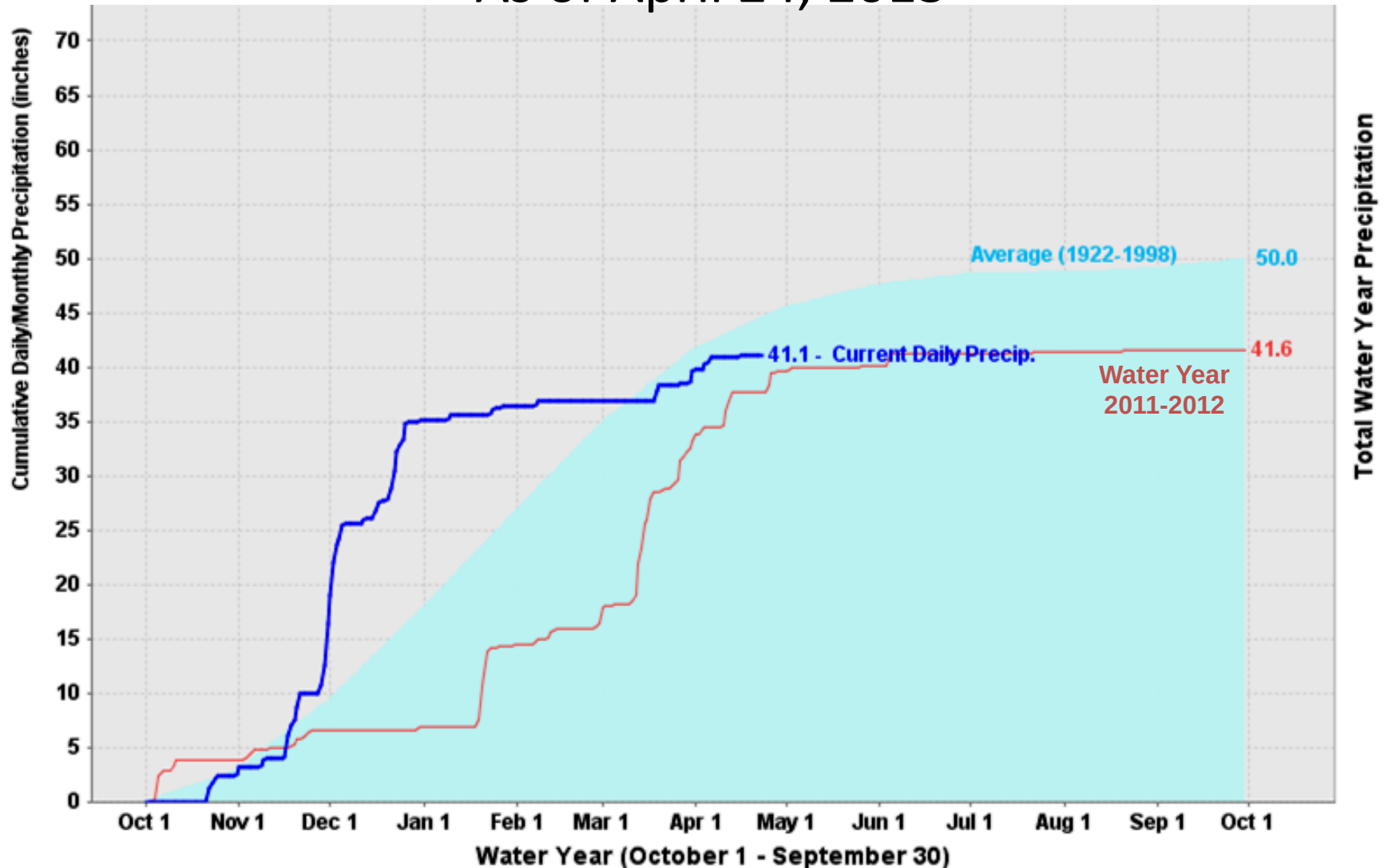
March 29, 2013:

“Snow Survey Shows Dramatically Dry Conditions”

- Driest January through March/April on record
- Department of Natural Resources calls the security of the state's water supply “threatened.”

Northern Sierra 8 Station Index

As of April 24, 2013



California's Water: Oroville 2005



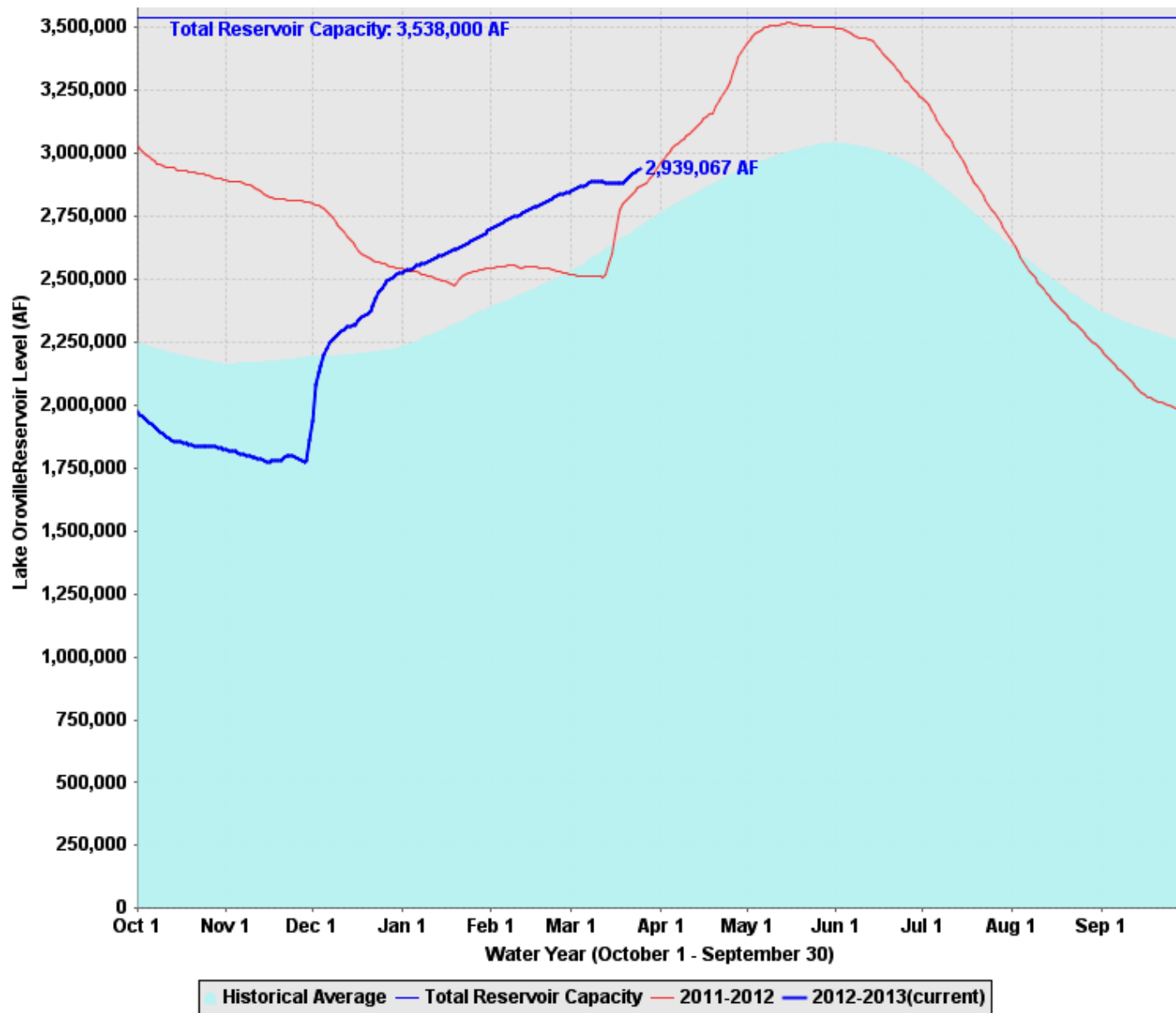
California's Water: Oroville 2008

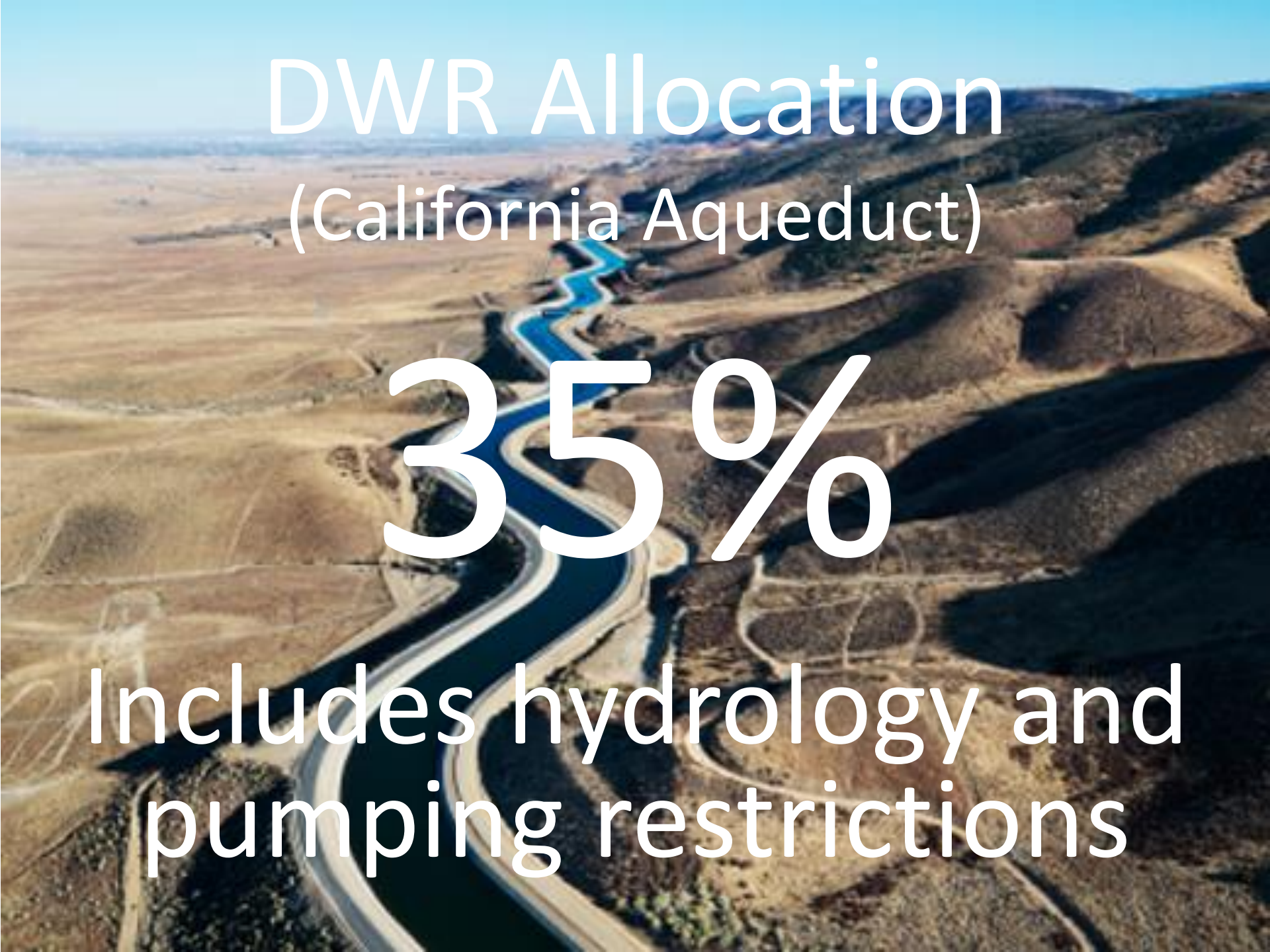


Oroville 2009



Lake Oroville this year



An aerial photograph of a winding aqueduct in a dry, hilly landscape. The aqueduct is a bright blue line snaking through the brown, arid terrain. The hills are covered in sparse, dry vegetation. The sky is clear and blue.

DWR Allocation (California Aqueduct)

35%

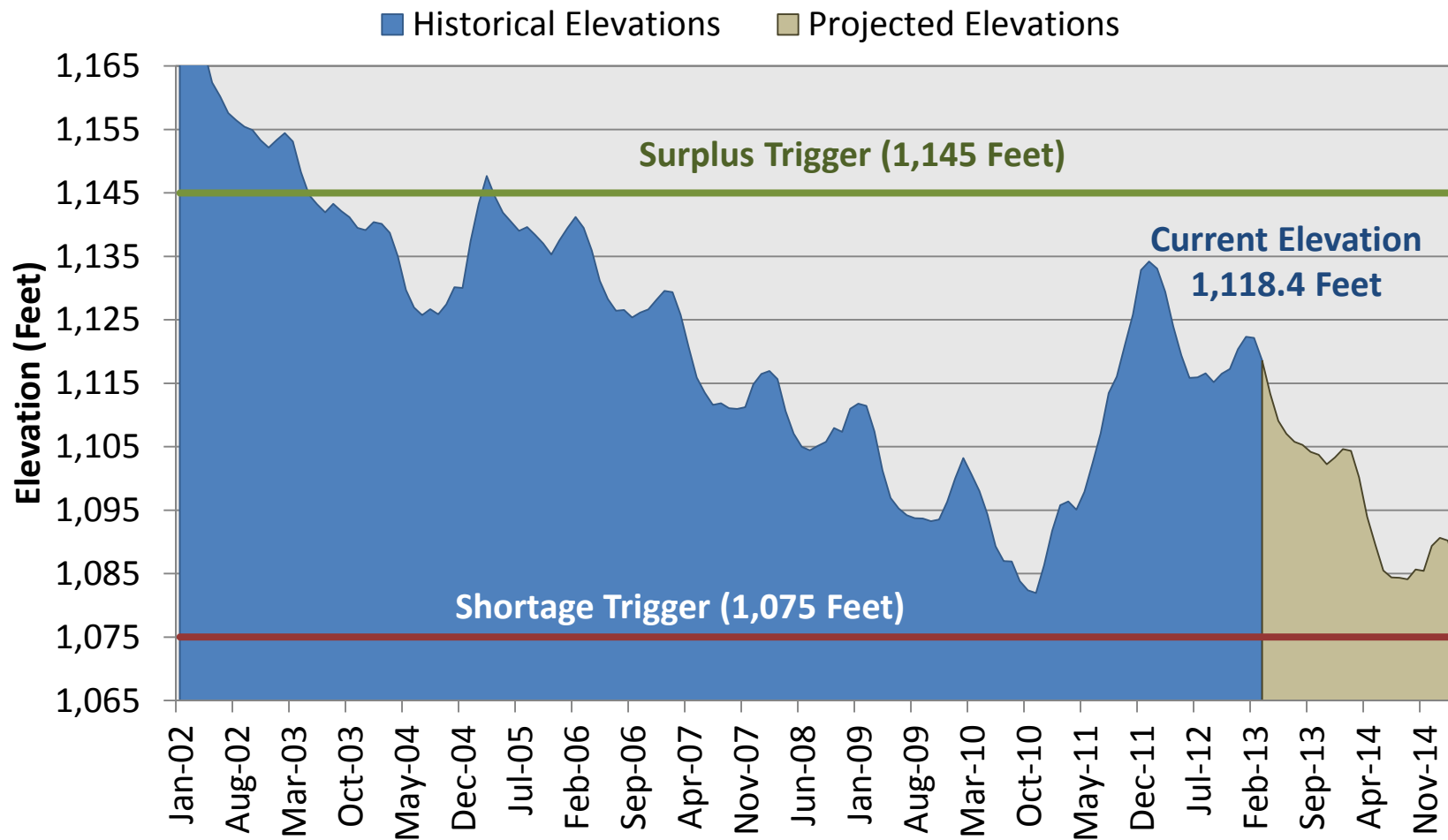
Includes hydrology and
pumping restrictions

Lake Mead

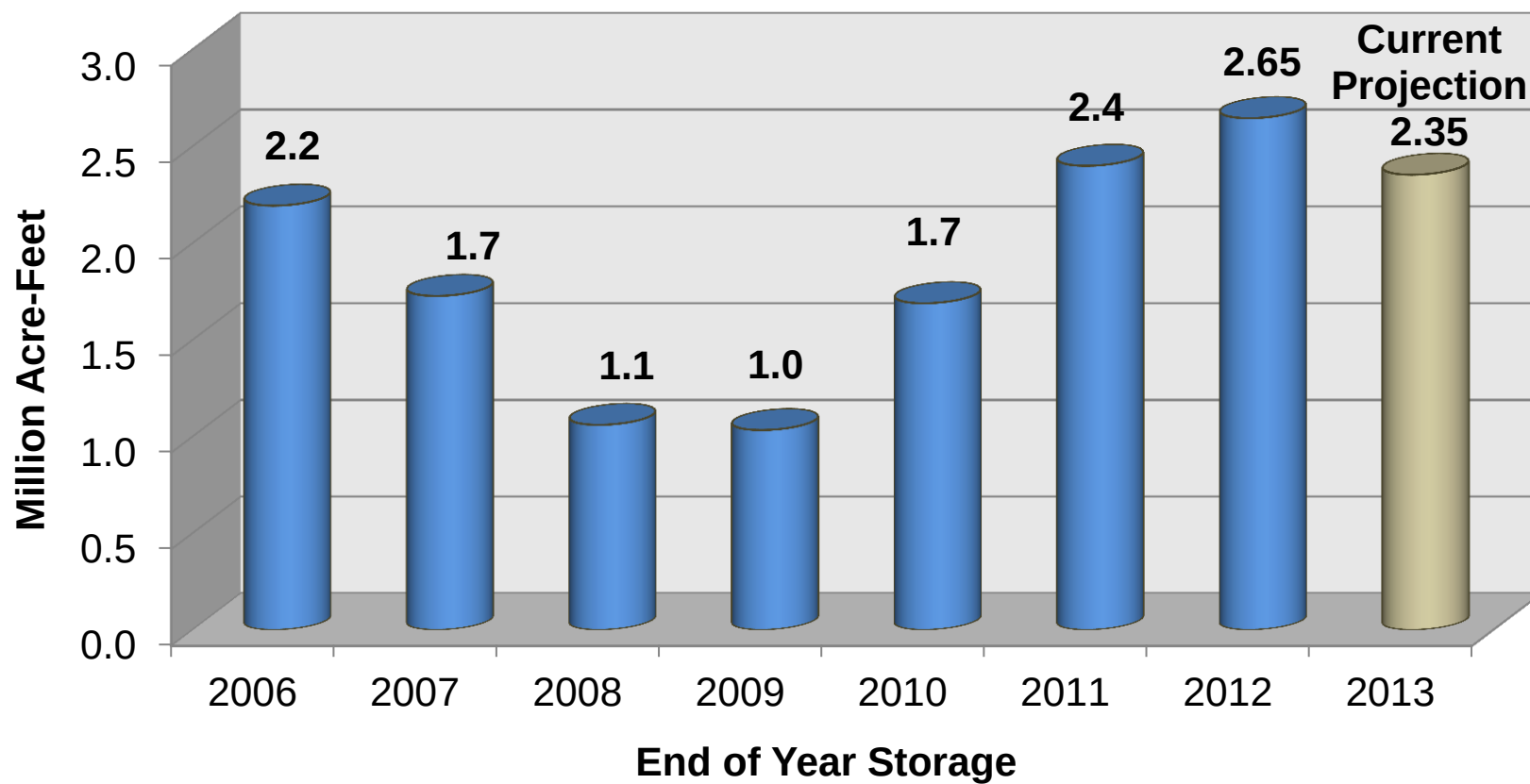


Lake Mead Elevation

@ April 2013



Metropolitan Storage



South Orange County Water Sources

1. Imported Water
2. Local Wells
3. Recycled Water
4. Ocean De-salination
5. Water Use Efficiency



Water Use Efficiency

- Short term: drought response, “conservation”
- Long term: demand management
- Linked with watershed protection

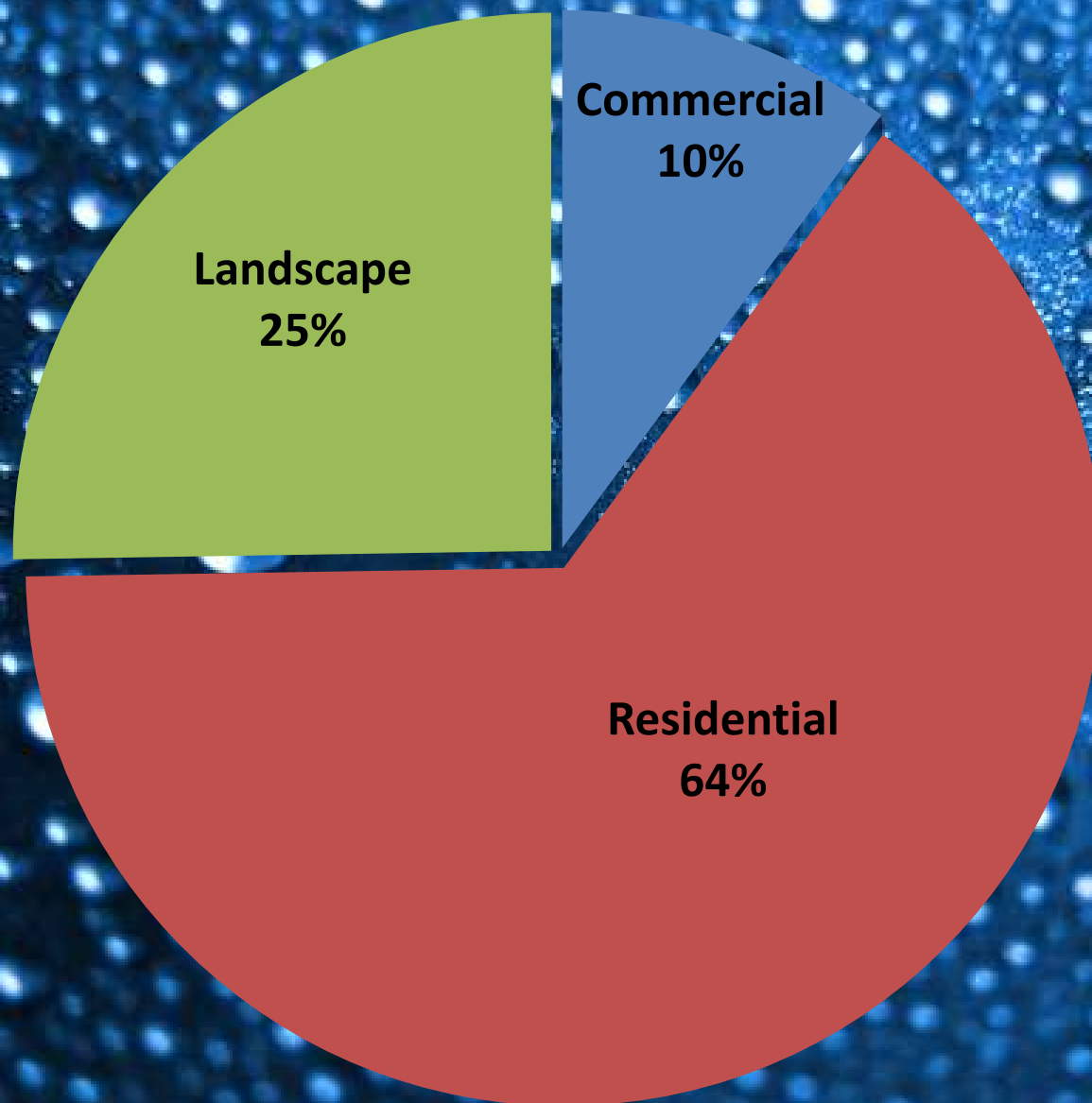
Permanent Water Use Reduction

SB x7-7 known as “20 x 2020”

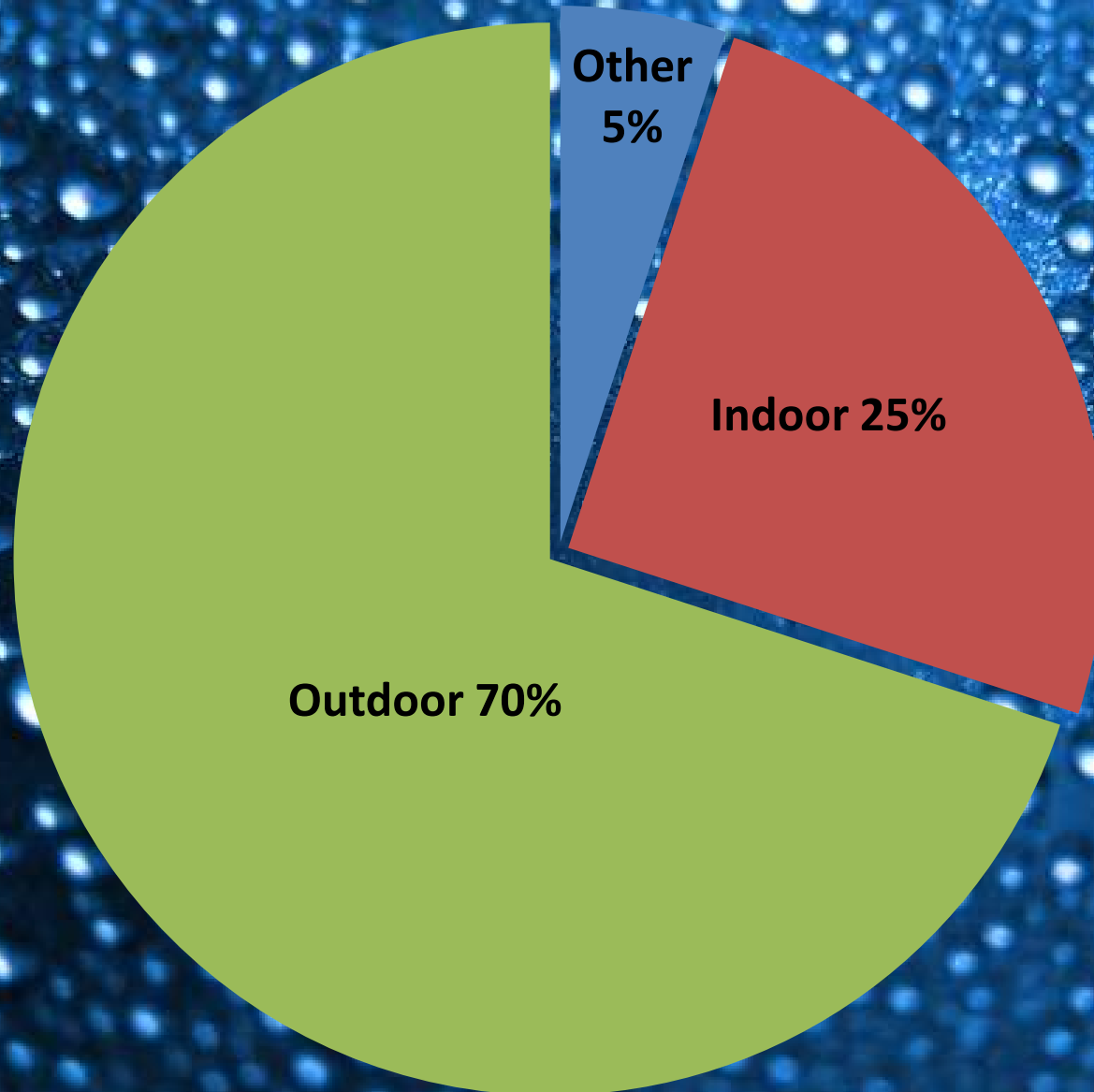
November 2009

Requires 20% reduction in urban
water use by 2020 (10% by 2015)

Who is using water?



How and Where is Water Used?



Waste = Runoff





Special Alert: Backflow Devices



- Publicize to your neighborhood
- Report to OCSD
- Protection



A green garden hose is coiled on a brick patio. The patio is made of interlocking bricks in shades of red, brown, and grey. To the right of the hose, there is a yellow wall with a silver outdoor faucet. A green bush with red flowers is growing against the wall. The word "Questions?" is written in large, black, sans-serif font with a white outline across the bottom of the image.

Questions?