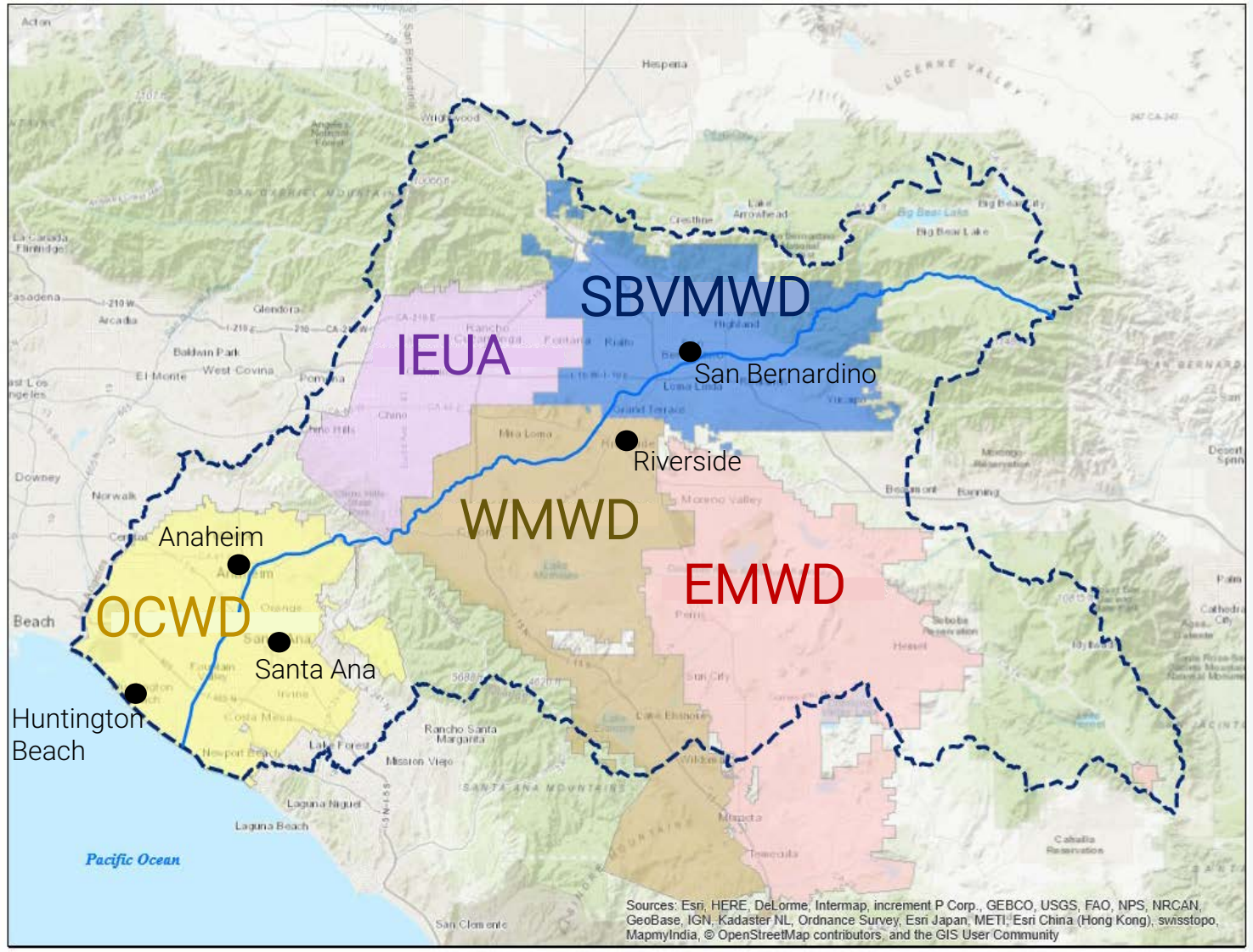
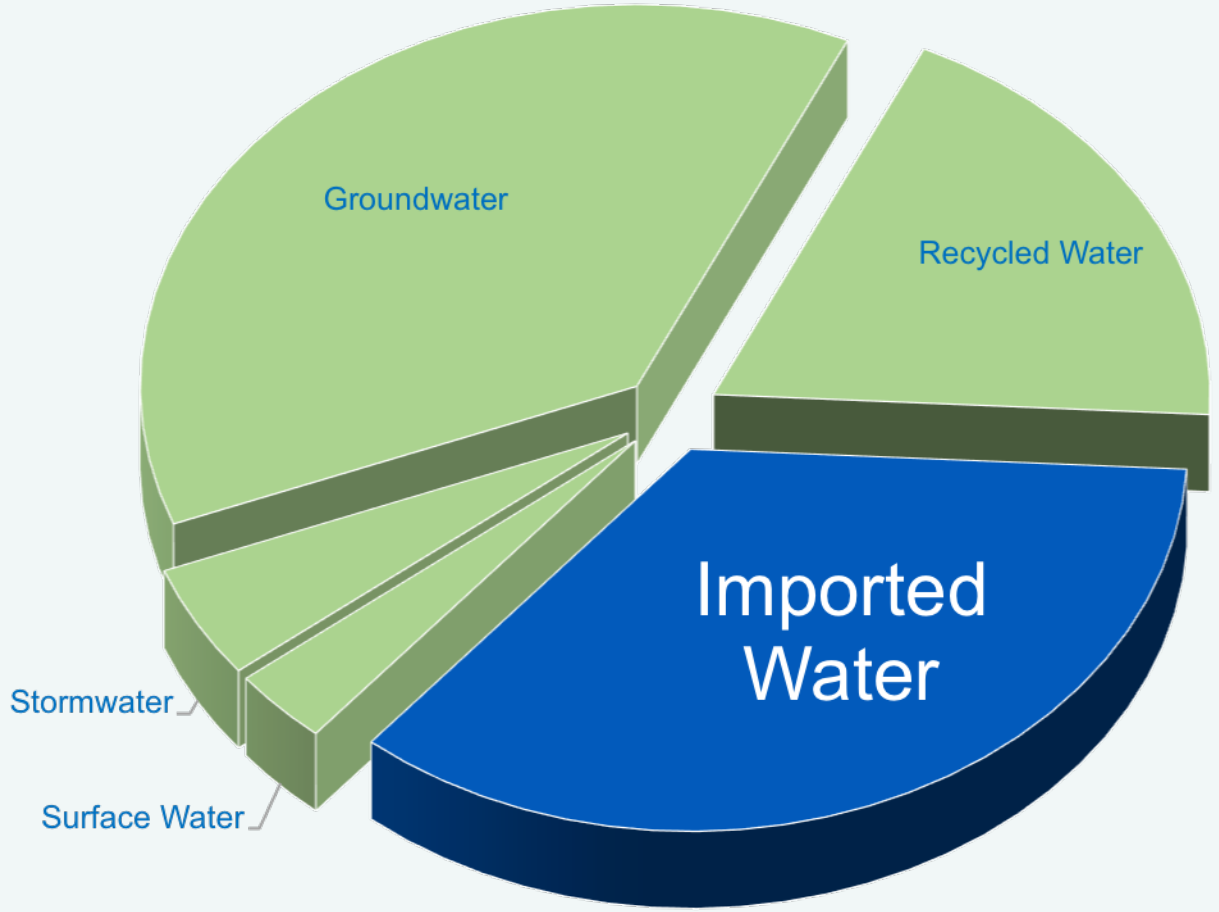

Santa Ana River Watershed
Carson City
NEVADA
Sacramento
San Francisco
Fresno
Las Vegas
Los Angeles
San Diego
Tijuana
CALIFORNIA
N
Sources: Esri, DeLorme, USGS, NPS, Sources Esri, USGS, NOAA

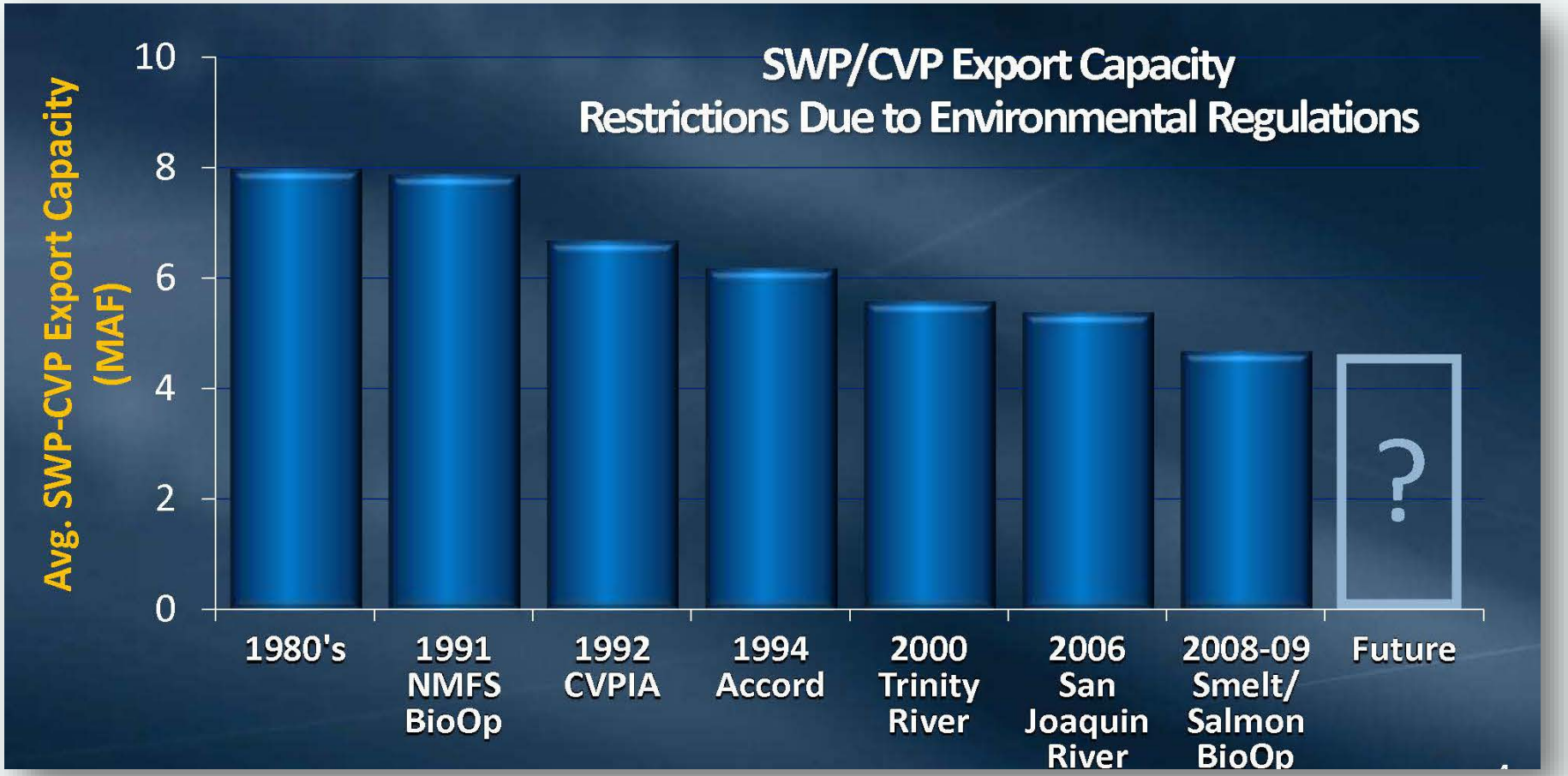

SBVMWD
IEUA
WMWD
EMWD
OCWD
San Bernardino
Riverside
Anaheim
Santa Ana
Huntington Beach
Pacific Ocean
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Need for the Project

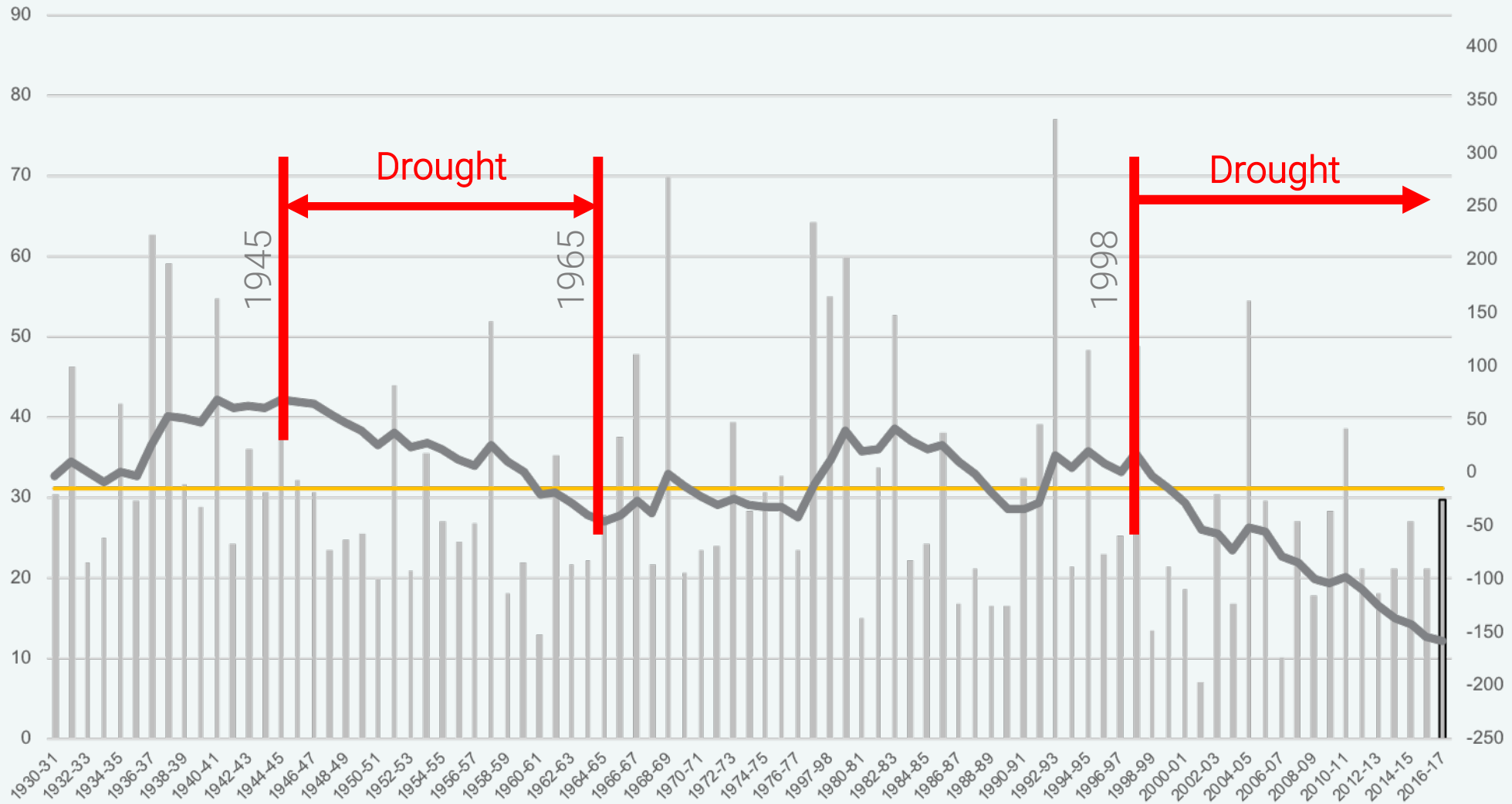
Local Water Supplies Are Not Enough



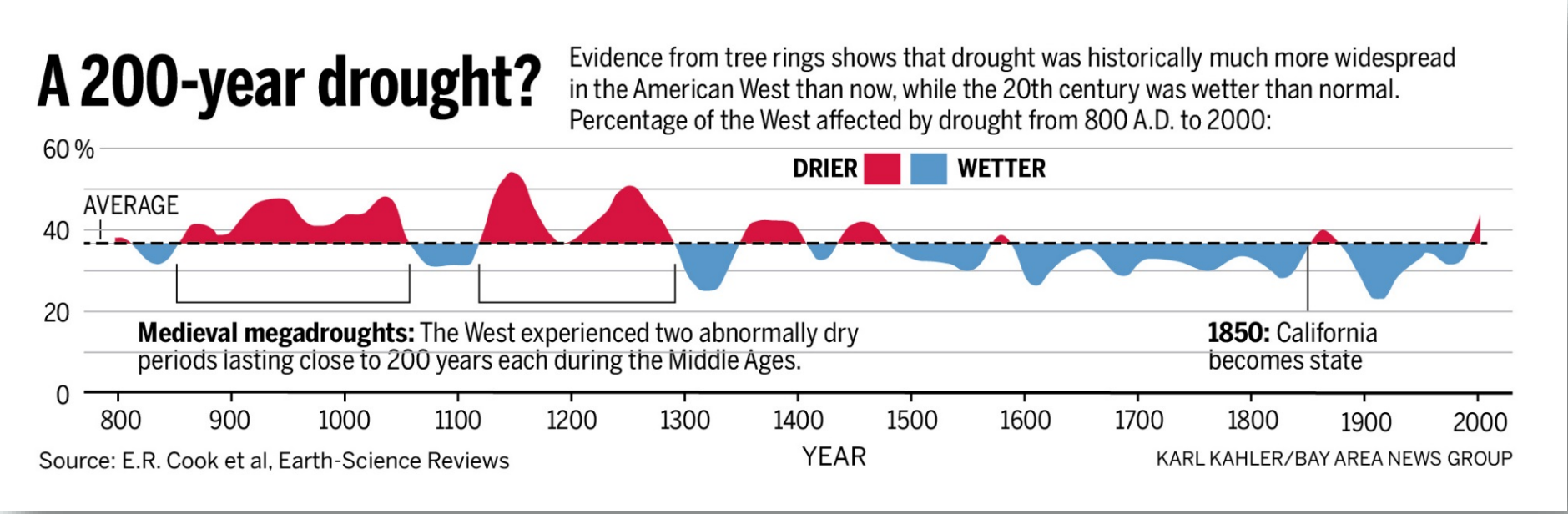
The Reliability of Imported Water is Declining



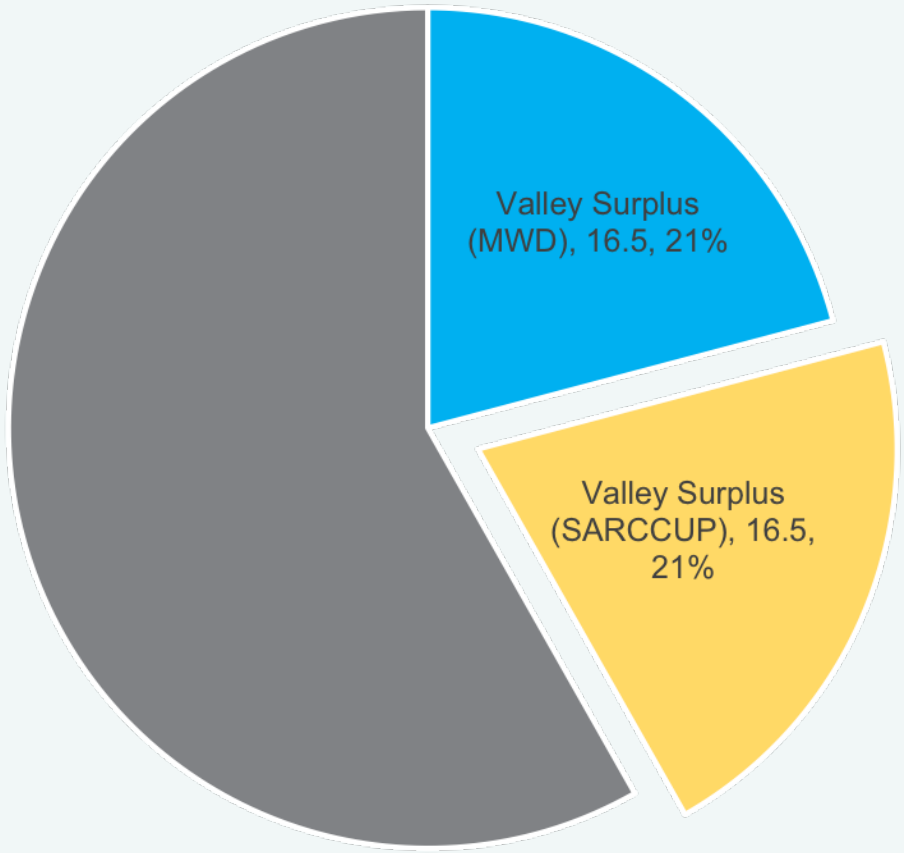
20 Year Droughts Common



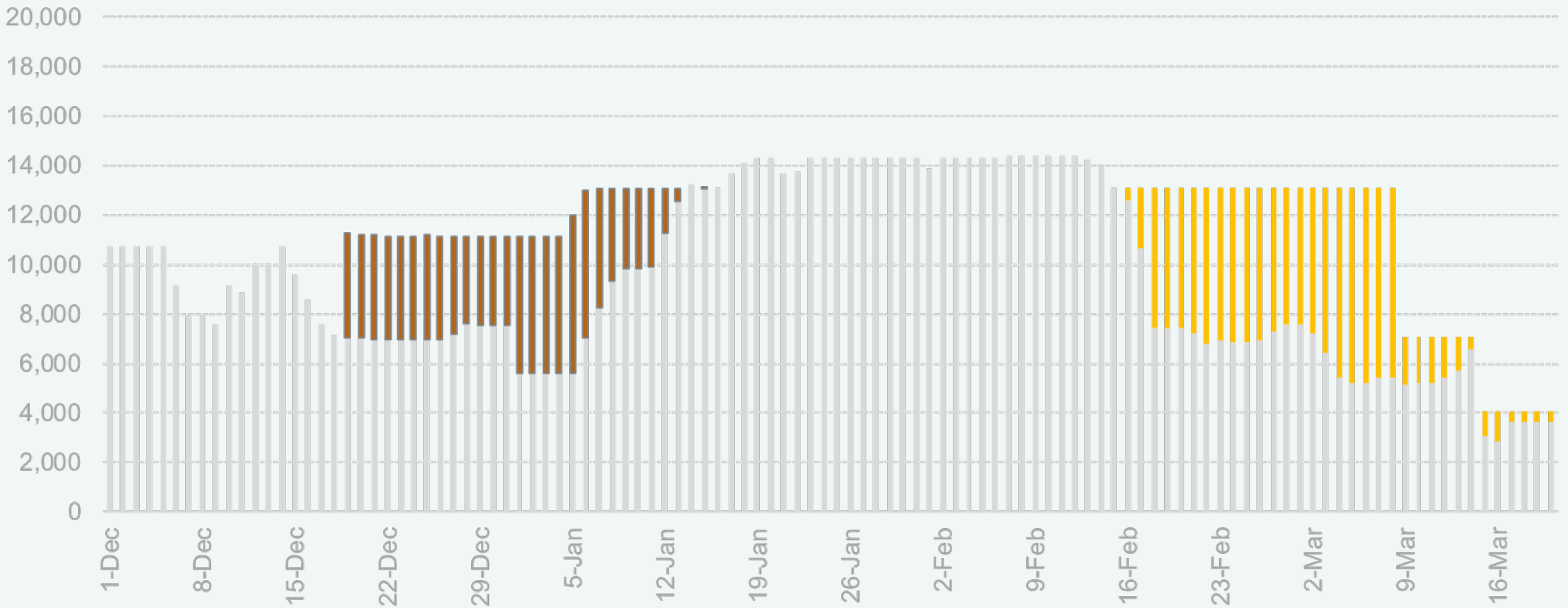
Droughts Could Last Longer…



Surplus Water Predicted in Wet Years

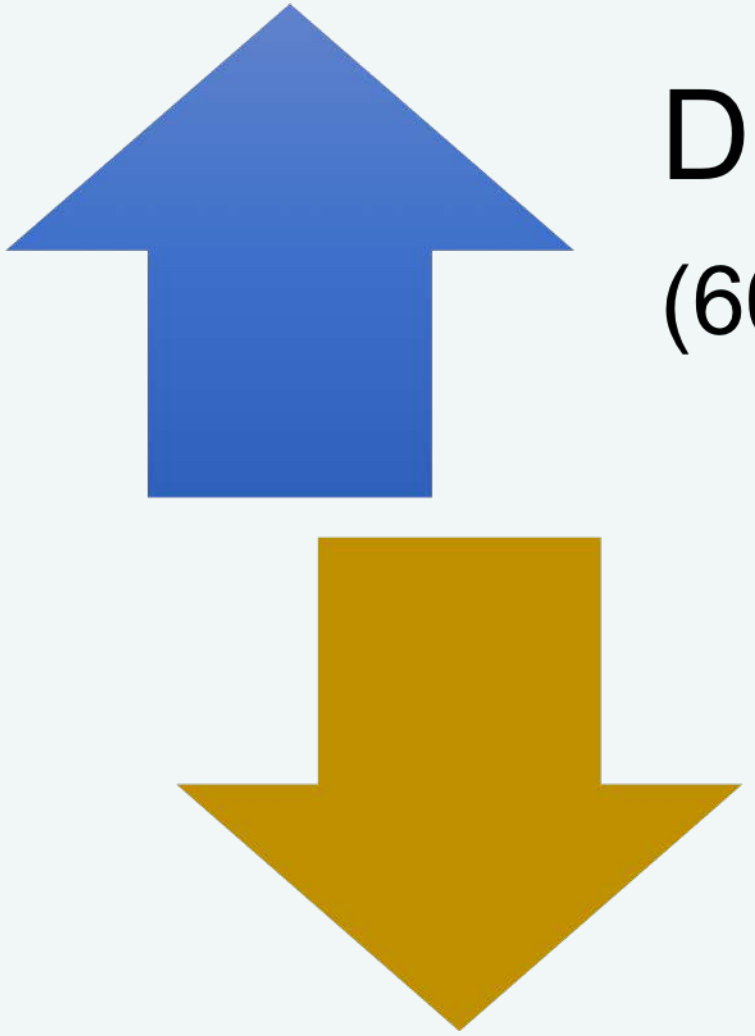


Water Lost to the Ocean in Wet Years



The Solution: STORAGE

Project Overview

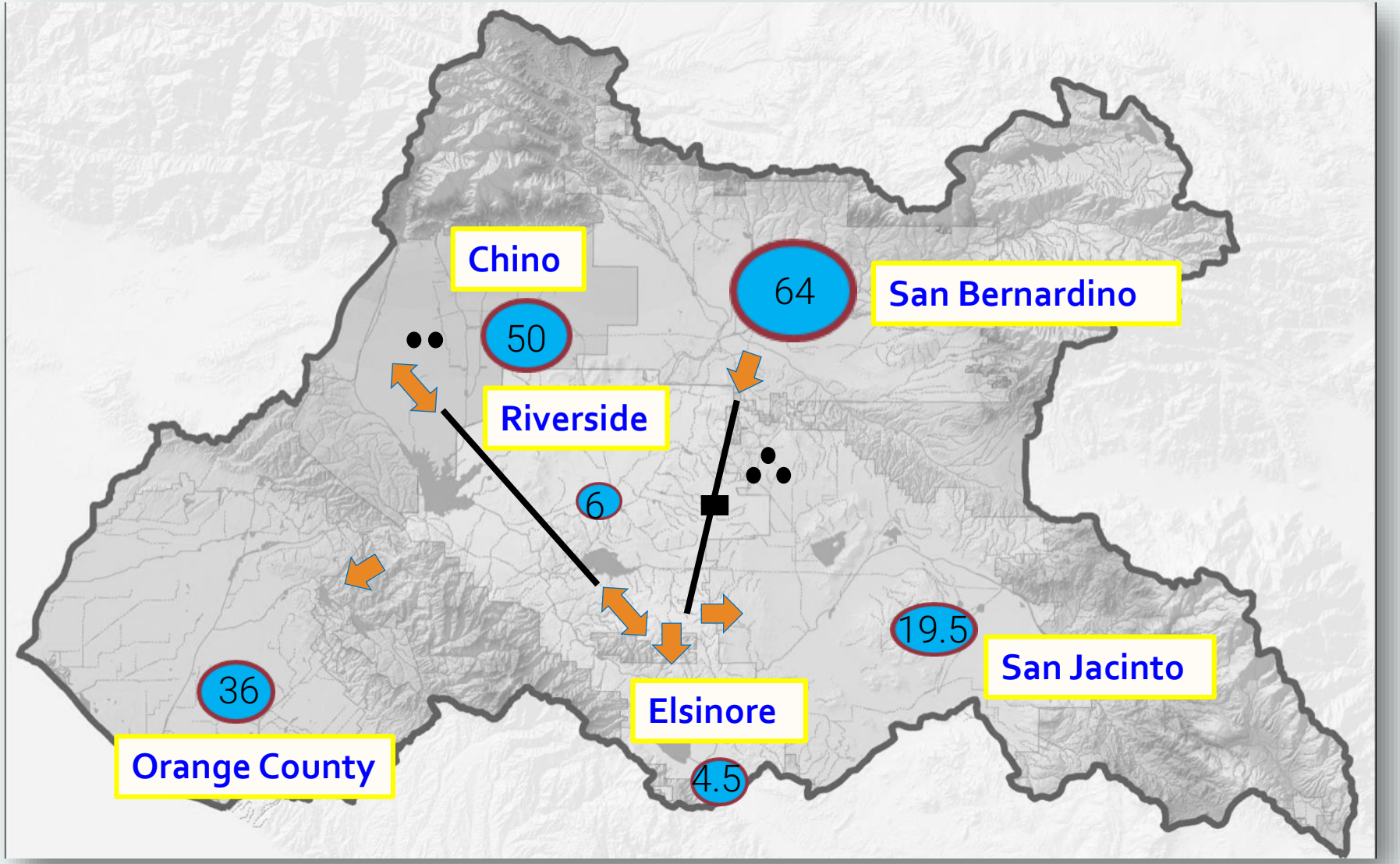


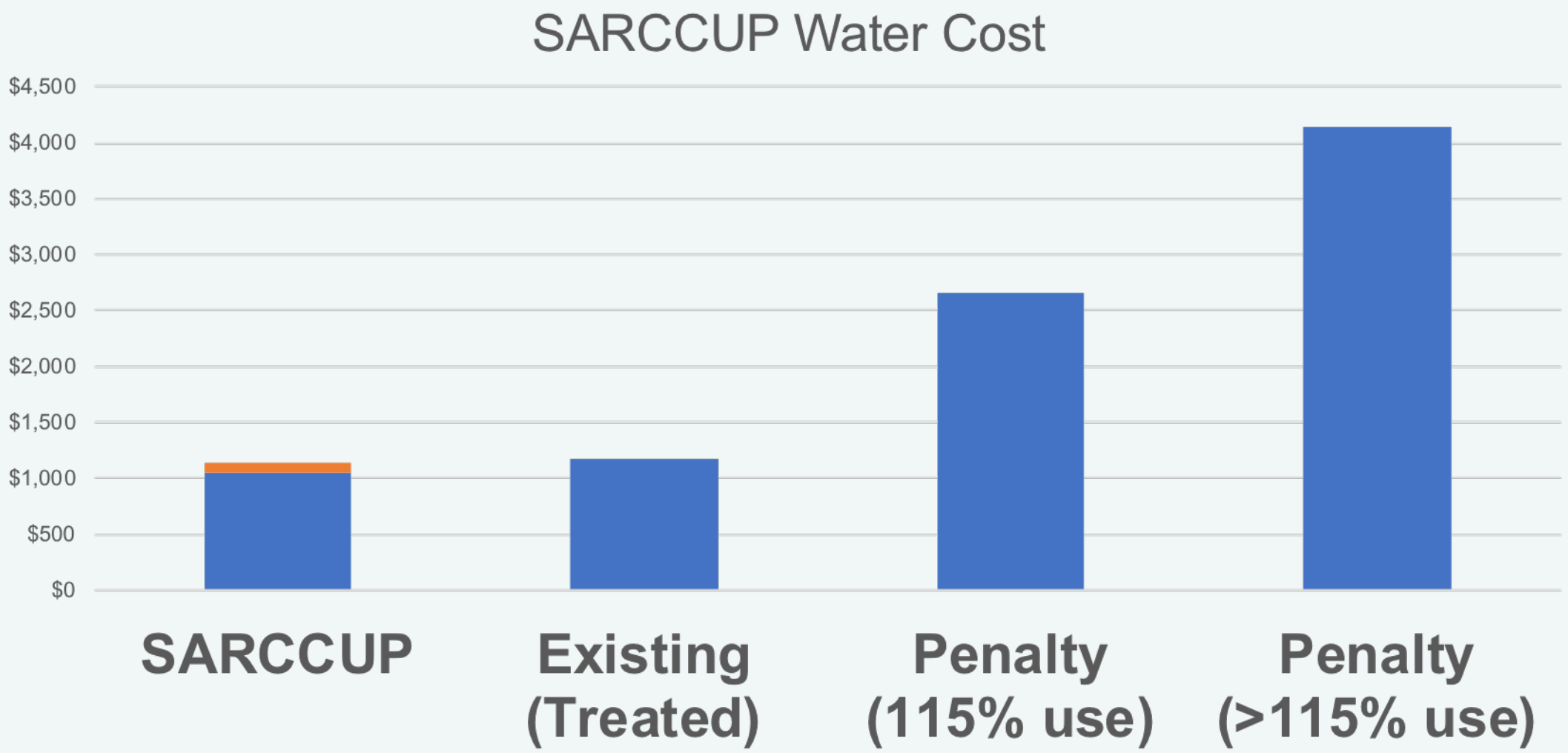
Dry year yield

(60k/yr for 3 years)

Wet year storage (180k)

- ✓ Local Storage
- ✓ Six Basins
- ✓ 180,000 AF





Does not include capital recovery cost for facilities

Lessons Learned

- Decision Support Modeling Optimized System Operation
  - Eliminated unneeded facilities
  - Reduced cost
- “Postage stamp” cost-sharing difficult unless agencies are similar
  - Not all agencies needed facilities
  - Different imported water rates
- Buy-in is crucial
  - Lots of agreements
  - Two State Water Contractors
  - Multiple Watermasters
  - Five regional water agencies, retail water agencies