



# Restore Hetch Hetchy

Presentation to

## State Water Resources Control Board

**AMENDMENT TO THE WATER QUALITY CONTROL  
PLAN FOR THE SAN FRANCISCO BAY/SACRAMENTO-  
SAN JOAQUIN DELTA ESTUARY**

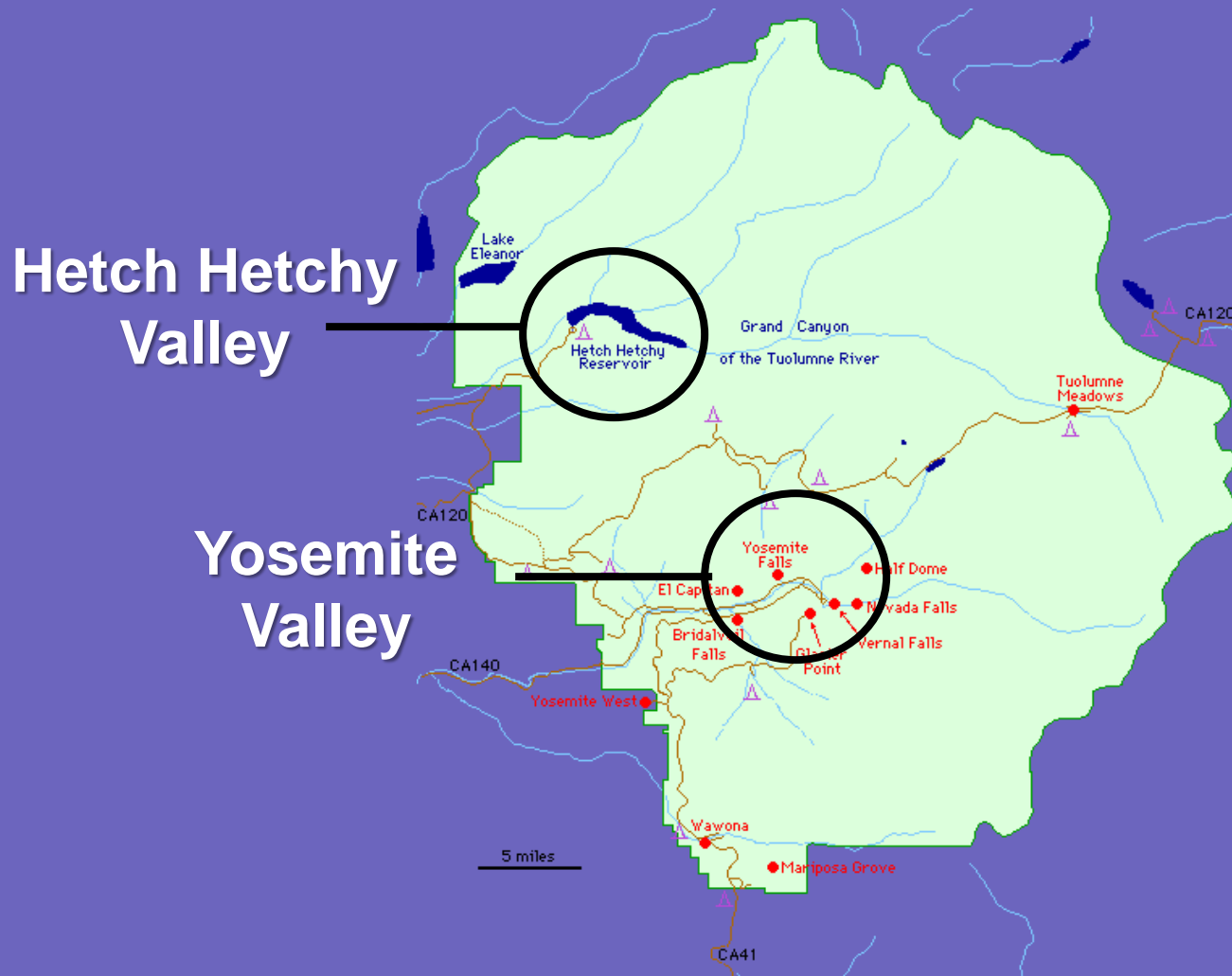
December 19, 2016

*“Not a drop of water supply need be lost”*



*The mission of Restore Hetch Hetchy is to return the Hetch Hetchy Valley in Yosemite National Park to its natural splendor while continuing to meet the water and power needs of all communities that depend on the Tuolumne River.*

Yosemite National Park once included two spectacular glacier-carved valleys.

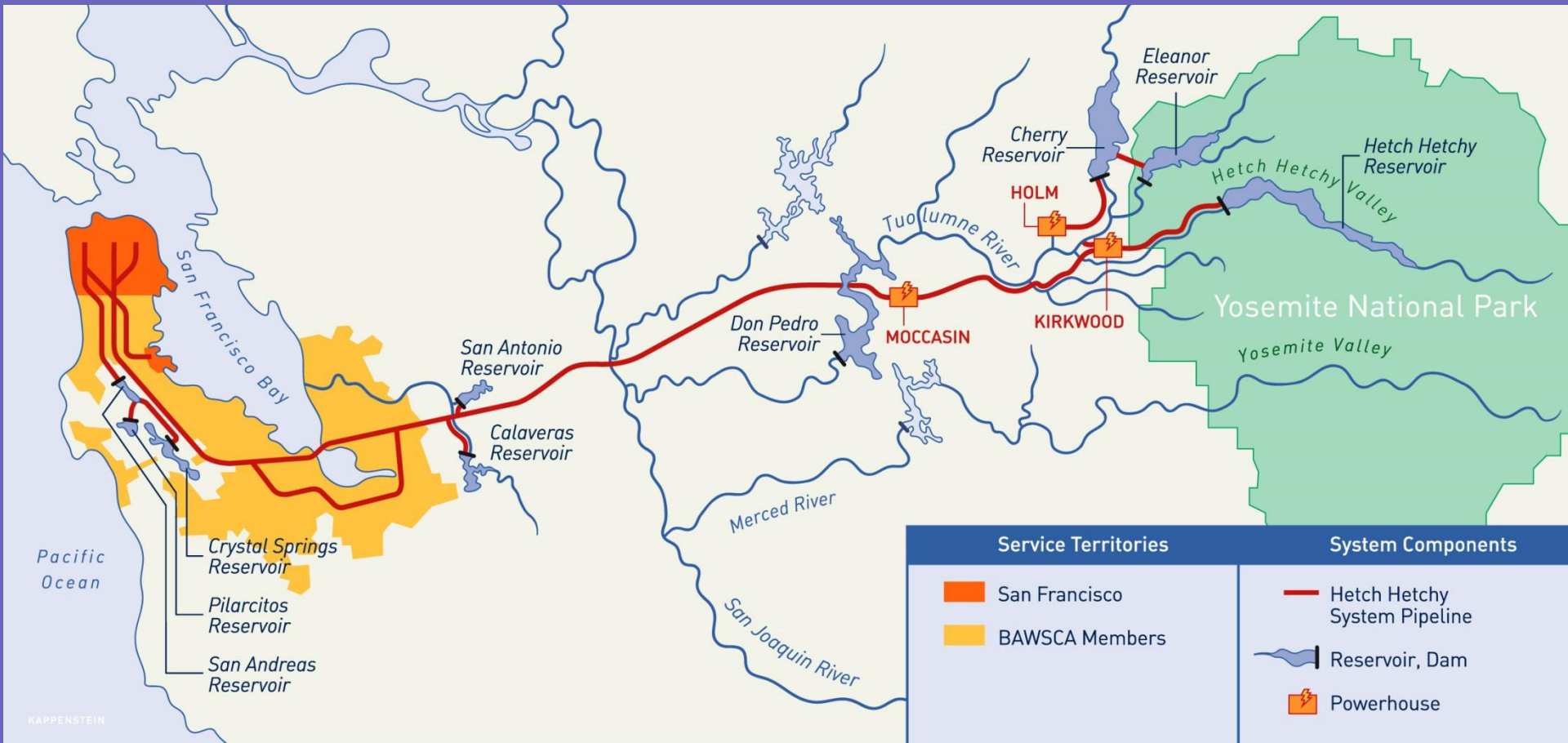


The only time in American history



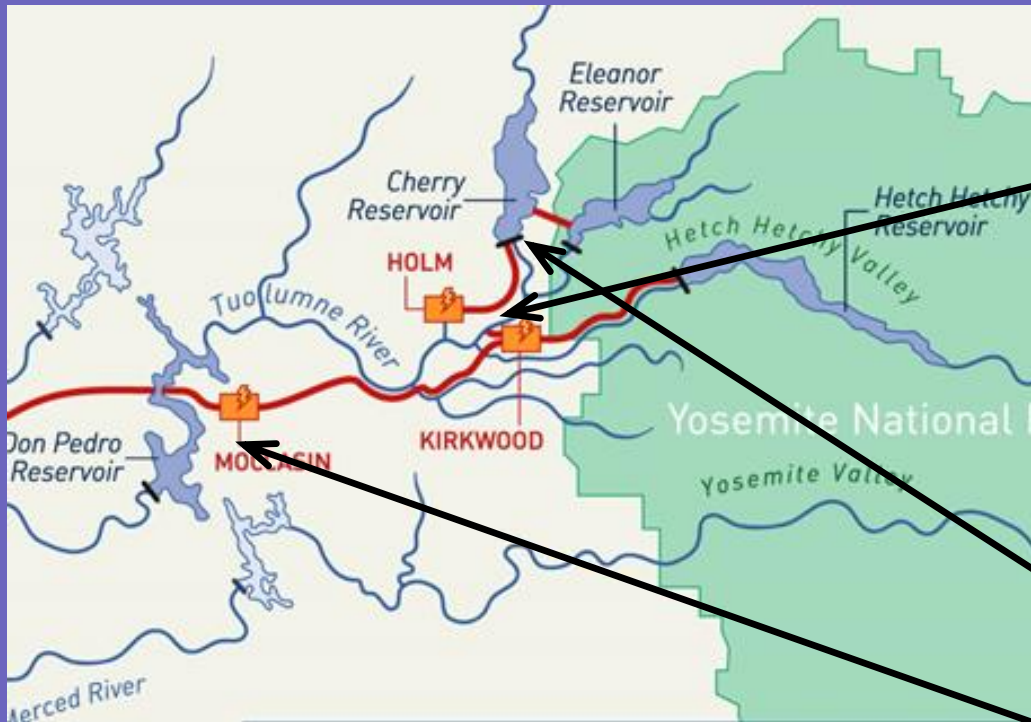
a national park has been destroyed

# San Francisco's water system serves 2.4 million Bay Area residents



San Francisco stores water in 9 reservoirs

# Without Hetch Hetchy Reservoir, San Francisco will divert its Tuolumne River supplies downstream of Yosemite National Park



- During winter and spring, flows can be diverted at “**Early Intake**” – the present site of diversion from the river.
- During summer and fall, stored water can be diverted from **Cherry and/or Don Pedro Reservoirs**

# Restore Hetch Hetchy

- Supports State Board mandate to balance beneficial uses,
- Takes no position on precise flow requirements, but
- Is keenly interested in potential changes downstream on the Tuolumne River. Alternatives in Bay-Delta Process may well reduce the overall cost of restoring Hetch Hetchy Valley.

## Restore Hetch Hetchy Comments Overview:

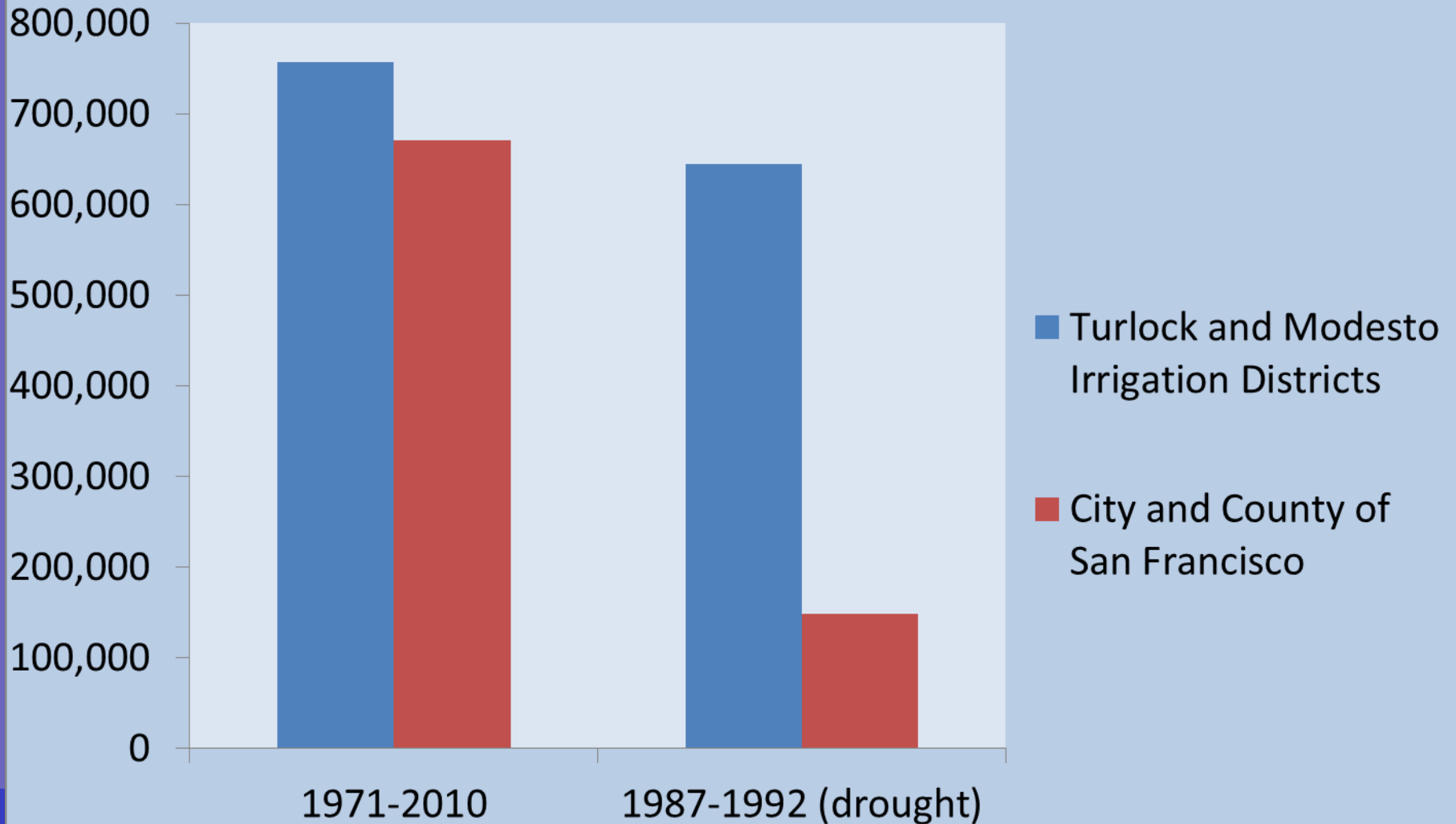
- A perspective on how Tuolumne River parties manage diversions in the February-June period.
- Examples of how coastal urban water agencies manage local supplies to diminish dependence on imported supplies – or not.
- State Board should be wary of unwarranted and hyperbolic assertions about the costs of compliance.



# Tuolumne River Water Rights Breakdown

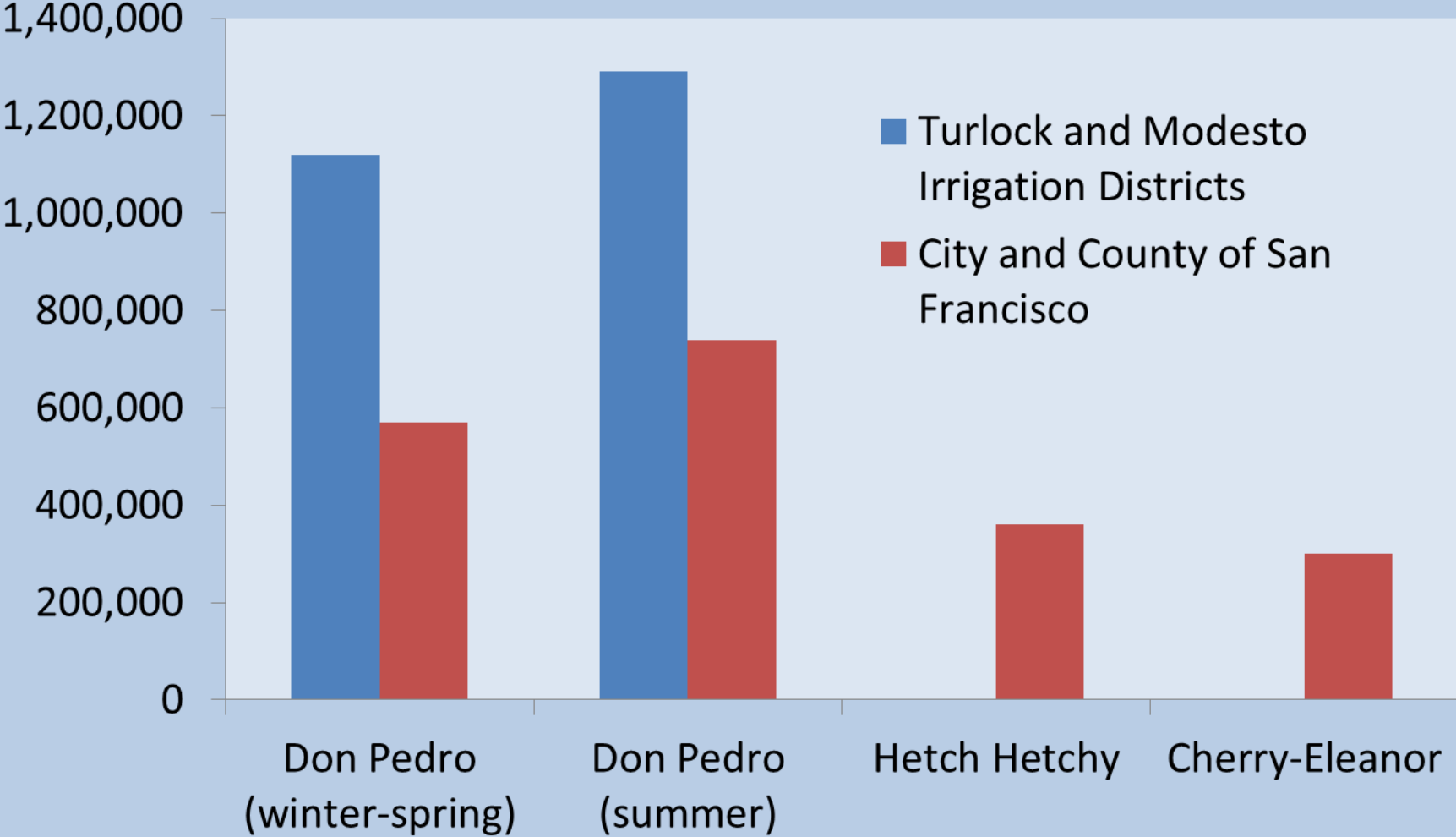
## 1971-2010, February through June

(acre-feet)

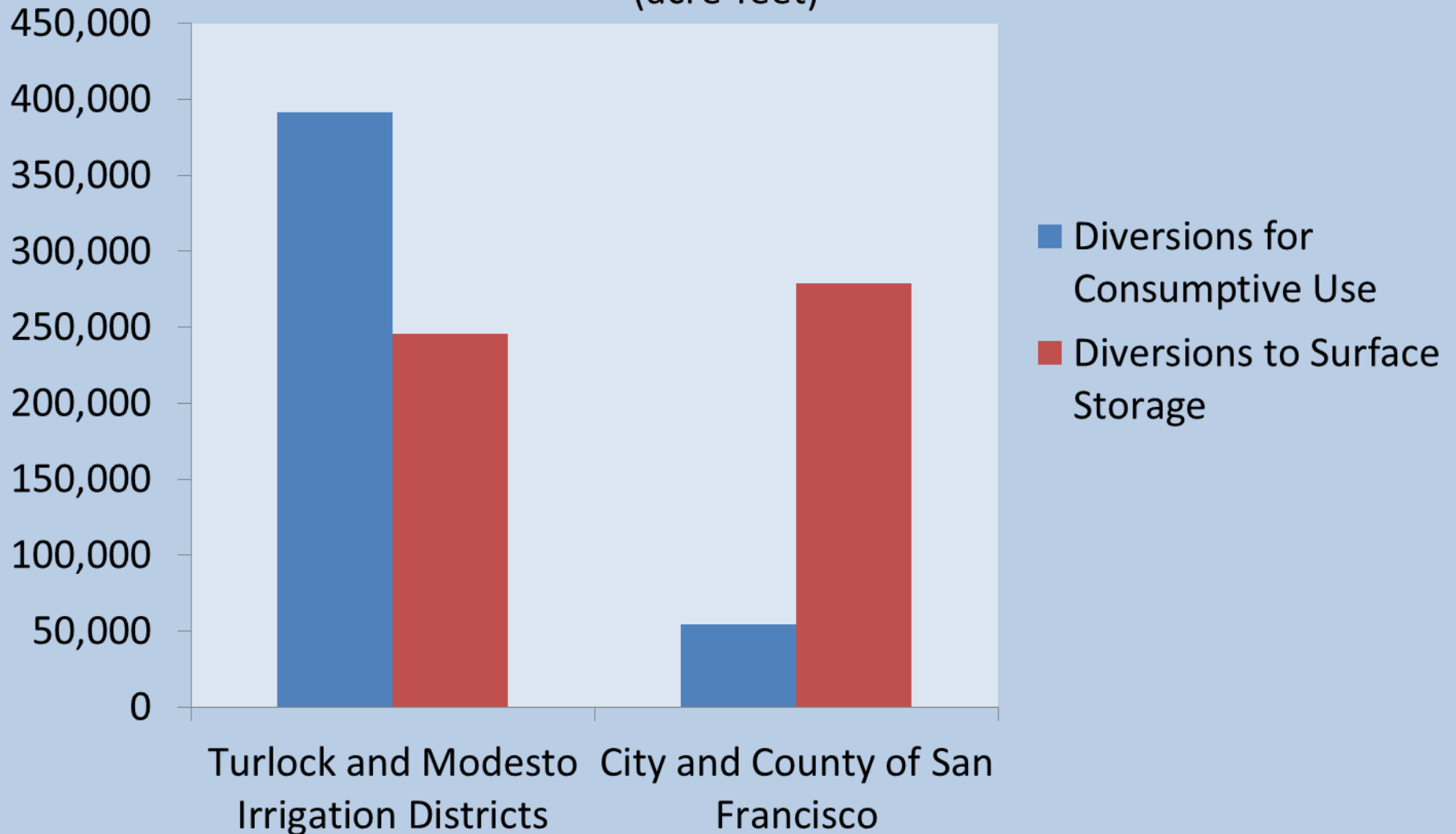


# Tuolumne River Surface Storage Breakdown

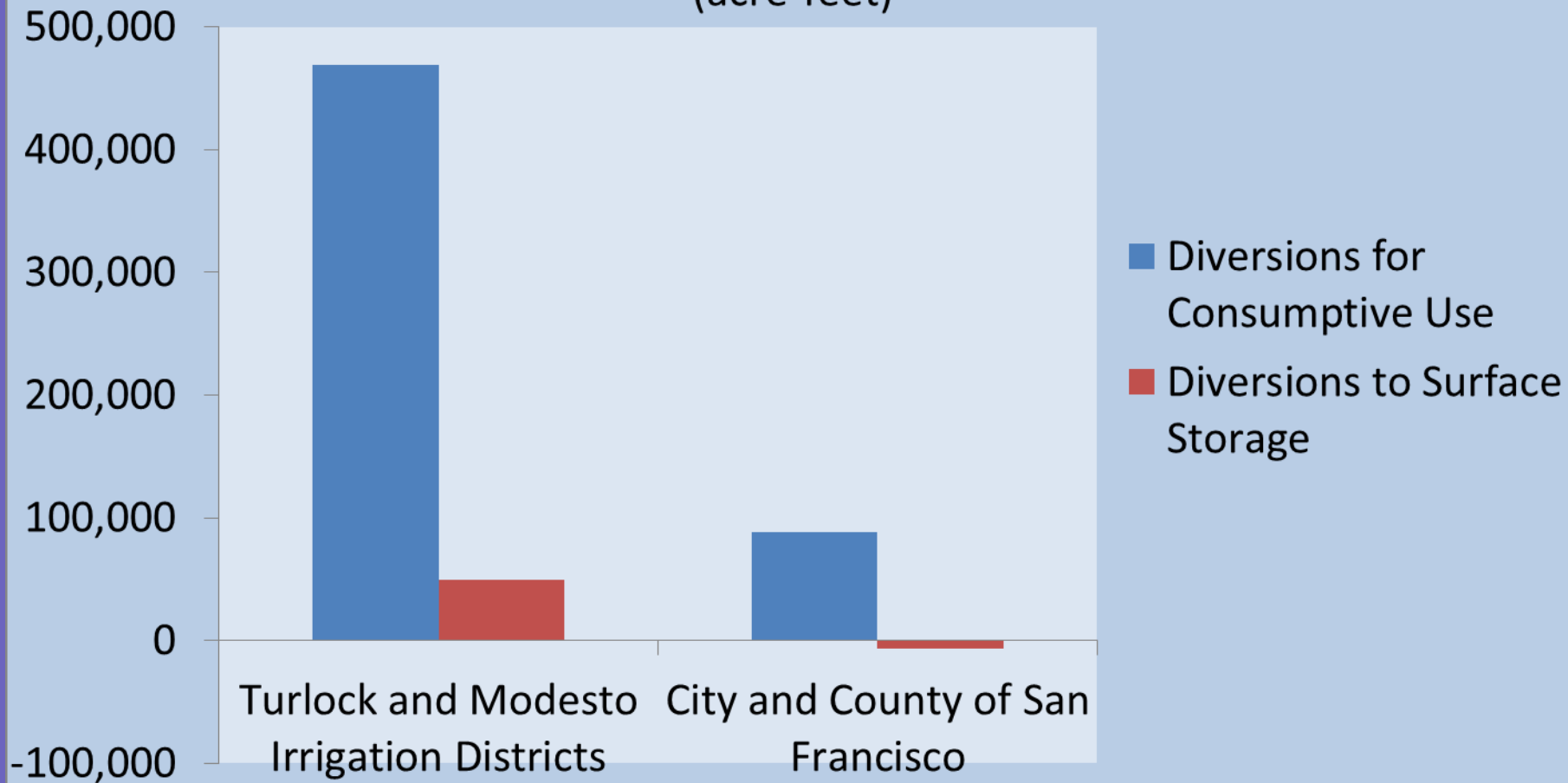
(acre-feet)



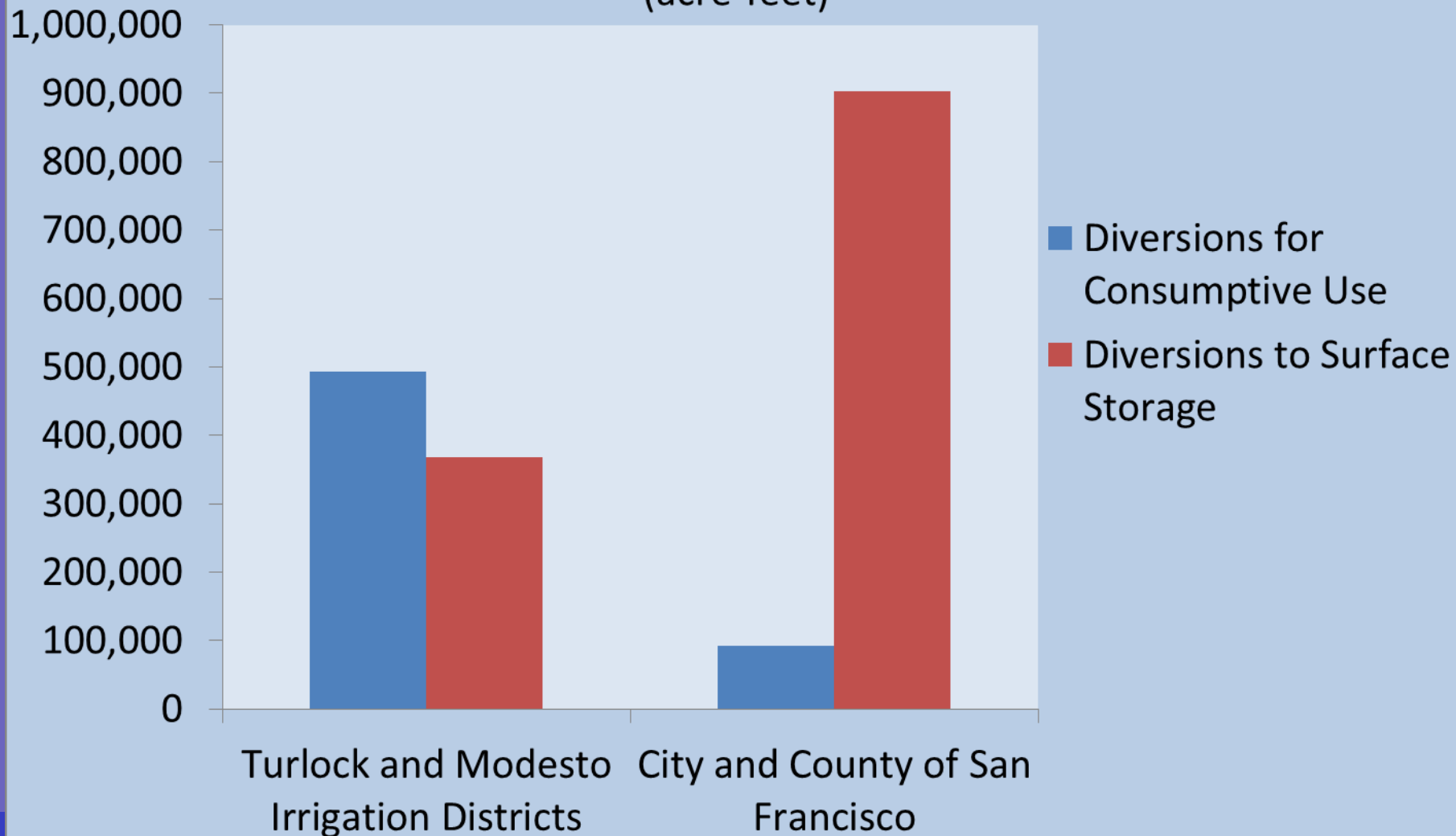
# Tuolumne River Diversions 1991, February through June (acre-feet)



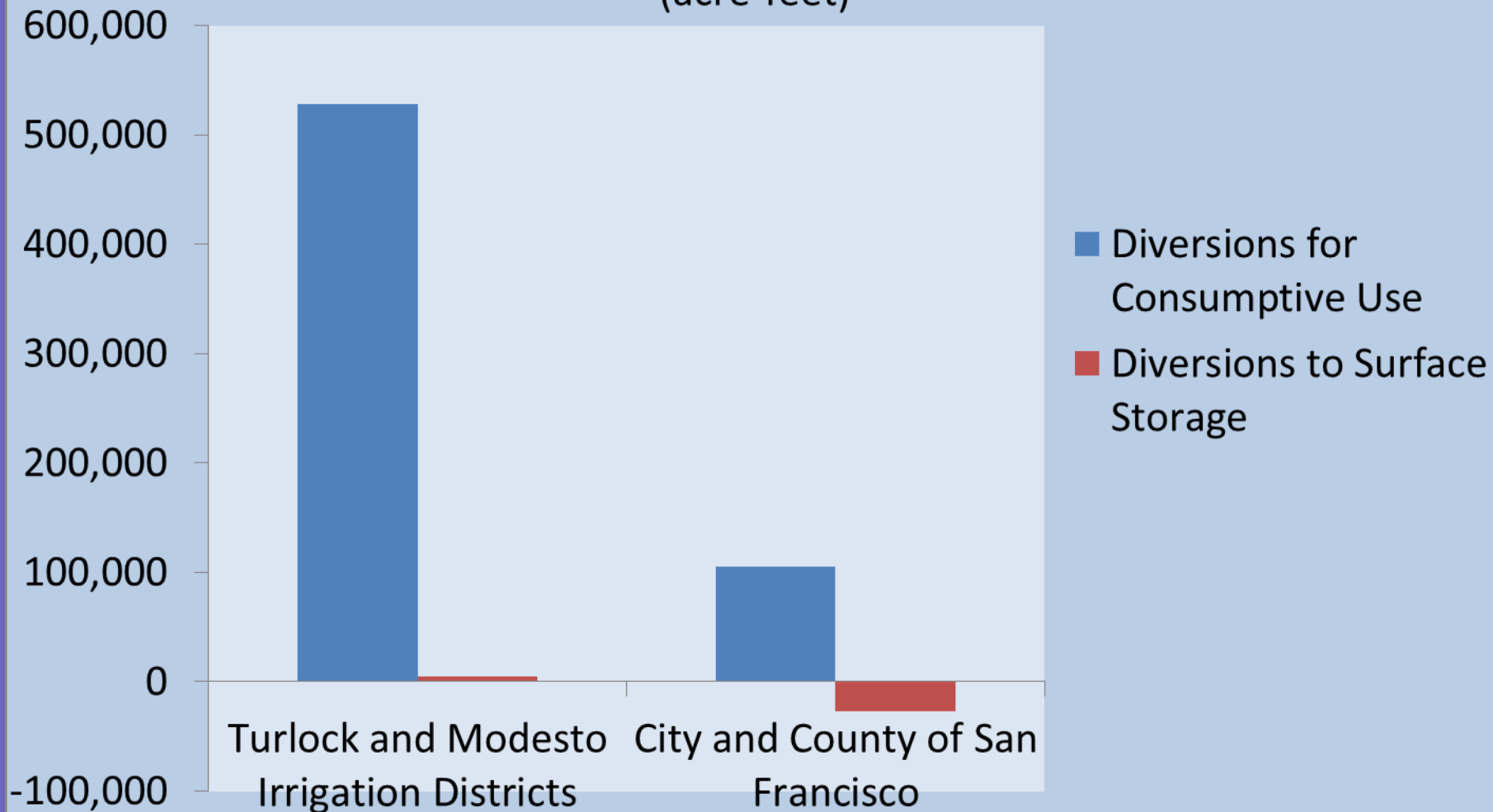
# Tuolumne River Diversions 1992, February through June (acre-feet)



# Tuolumne River Diversions 1993, February through June (acre-feet)



# Tuolumne River Diversions 1994, February through June (acre-feet)



# Local Water Supply Development

## San Francisco Groundwater

San Francisco - west basin (yield):  
4,500 acre-feet per year

San Francisco – southwest basin (storage):  
62,000 acre-feet

San Francisco's customers  
have foregone local supplies

From Palo Alto's Urban Water  
Management Plan (2010):

In 1962 ... the City's wells were placed in a  
standby condition. Since 1962, the City's  
entire supply of potable water has come from  
the SFPUC.”



San Francisco's customers have foregone local supplies

**From Hayward's Urban Water Management Plan (2010):**

During the 1940s and 1950s, the well water was supplemented by water purchased from San Francisco. In 1962, Hayward entered into an agreement ... to purchase all Hayward water from the SFPUC ... ceased providing well water in 1963.”

# Unwarranted and Hyperbolic Cost Assertions

CCSF previous presentation (March 21, 2013) & letter (March 29, 2013) included draft Brattle Group report asserting:

118,000 acre-feet drought year impact

\$49,000,000,000 annual cost

**\$415,000 “impact” per acre-foot of water!**

(San Francisco presents to the State Board Jan 3, 2016)

