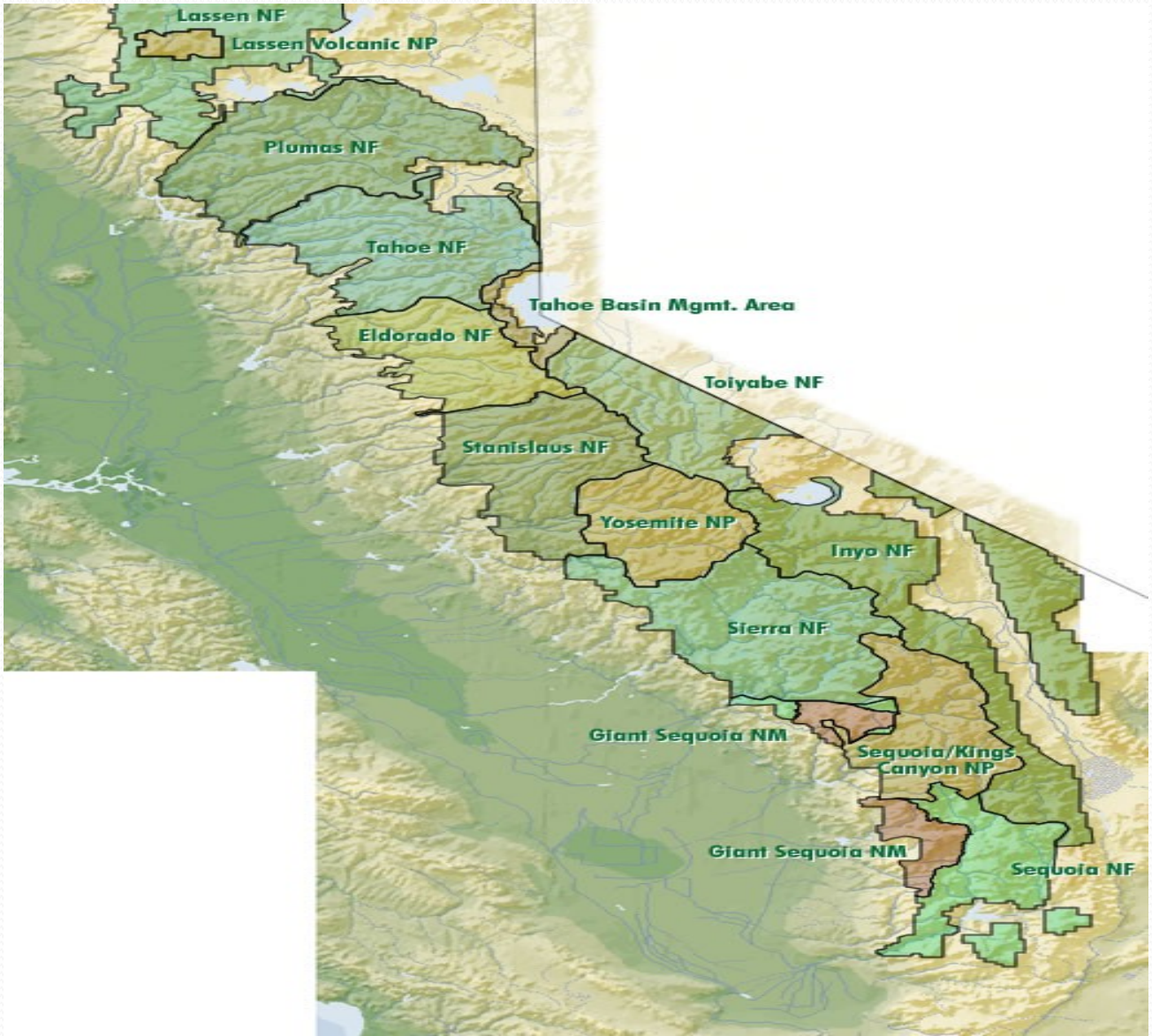
NEXUS BETWEEN WATER, ENERGY & NATURAL RESOURCES MANAGEMENT

Bay Planning Coalition
Mark S. Rentz
September 28, 2015

INRM
Integrated Natural Resources Management

BUTTE FIRE, SEPTEMBER 11, 2015

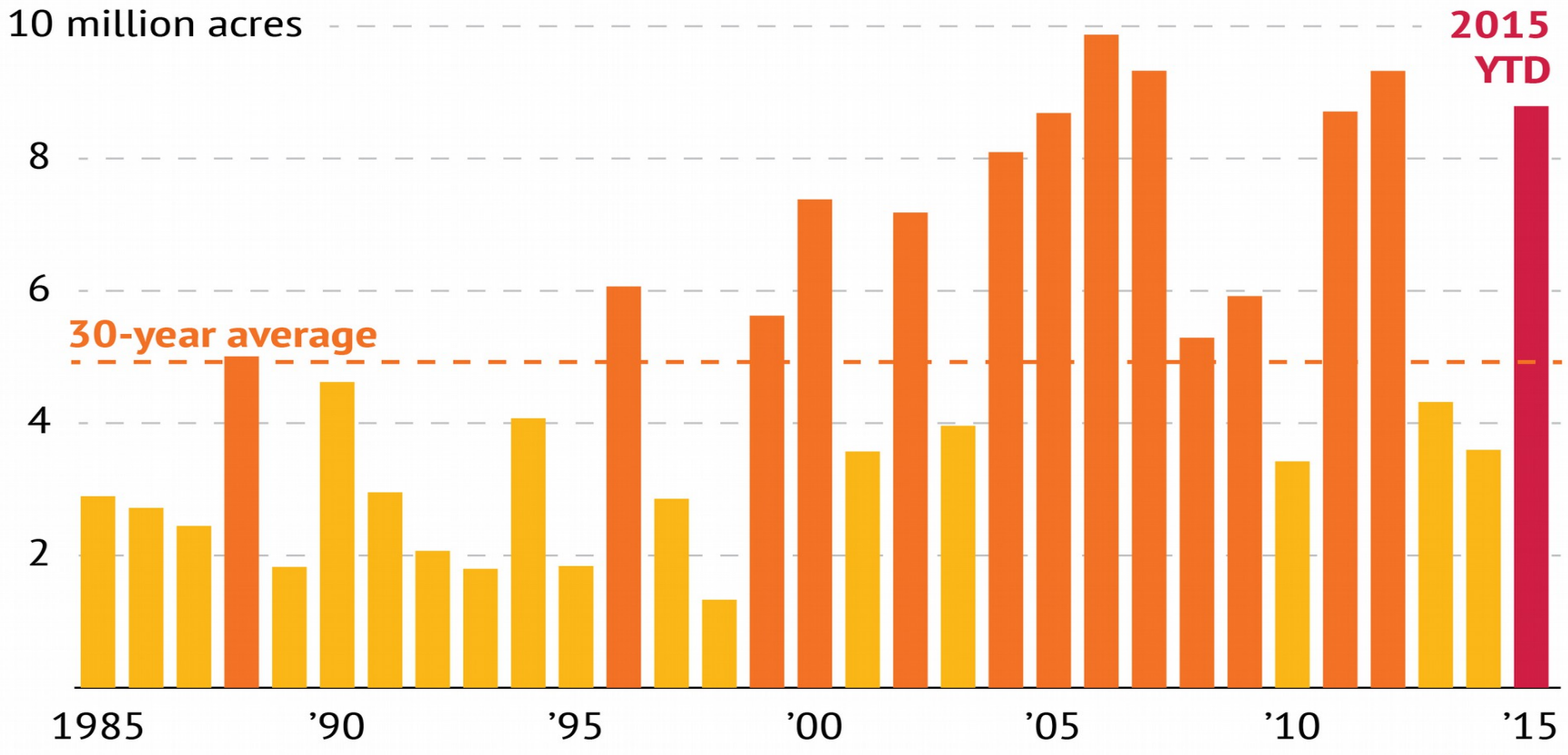
FEDERAL LANDS IN SIERRA NEVADA



Overstocked Sierra-Nevada Forest

Scorched earth

Acerage burned by wildfires has been increasing, with most years in the last decade **surpassing the 30-year average**. This **year to date** is on track to set a 30-year record.



Note: 2015 data year-to-date as of September 14
Source: National Interagency Fire Center

CNBC

CALAVERAS COUNTY SUPERVISOR CHRIS WRIGHT:

"One underappreciated post-fire concern in the foothills is the damage that has been done to key watersheds that *provide water for many valley and coastal cities*. Fire has denuded hillsides, making them susceptible to landslides especially if we have a strong El Nino that sends mud into reservoirs impairing water quality, water storage capacity and causing headaches for water filtration systems."

Commenting on the Butte Fire

Sacramento Bee, September 16, 2015

THINNING PROJECTS IN CALIFORNIA SIERRAS

Pre-Treatment and Post-Treatment in a High Diversity Unit at Blacks Mtn. Experimental Forest.

Thinned unit w/ control in background

NEXUS BETWEEN WATER ENERGY AND NATURAL RESOURCES MANAGEMENT

Water Quality

Water Supply

Energy Production

WILDFIRE = ENERGY

CLOSING THOUGHTS:

Challenges

Opportunities

Actions

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