California Water System

Current Issues

March 4-5, 2016
California Water Systems

90% of annual runoff occurs in 40% of the state
California Water Systems

Los Angeles Aqueduct (1908)
California Water Systems

Hetch Hetchy Aqueduct (1913)
California Water Systems

Mokelumne Aqueduct (1926)
California Water Systems

Colorado River Aqueduct (1933)
California Water Systems

Central Valley Project (1937)
California Water Systems

State Water Project (1960)
California Water Systems

Fueled California economy

All had unintended consequences

All are less reliable today
Water Management Challenges

- Aging Infrastructure
- Increasing Population
- Degraded Ecosystems
- Groundwater Overdraft
- Management Fragmentation
- Climate Change (increase in extremes)
Transformative Moment in California Water

- Invest in Management Diversification
- Create Markets to Move Water
- Drive Conservation
- Build Ecosystem Resilience
- Safe Drinking Water for All
Do not use this water for drinking.
No utilice esta agua para beber.
WAKE UP.
Historical Context

• Swamp and Overflow Act
• Central Valley Flood System
• Water System Development
Water Variability and Use

Yearly Total Delta Outflow
(Calendar Year)
Integrated Water Management

WATER SYSTEM INTERCONNECTIVITY