California Water Plan Update 2018

Focus & Features

- CA Water Today
  -- accomplishments
  -- challenges & drivers

- Understanding sustainability

- Actionable recommendations

- Sustainability Outlook to track progress & adapt

- Investment strategy & funding scenarios
California Water Management
A Tale of Extremes

Historic Flood Events:
- 1969-1970
- 1972
- 1974
- 1976-1978
- 1980
- 1983
- 1986
- 1993
- 1995-1997
- 1998
- 2002
- 2004
- 2006
- 2008
- 2011
- 2016-2017

Historic Drought Periods:
- 1976-1977
- 1987-1992
- 2007-2009
- 2012-2015
California Water Today
Conditions Assessment

❖ Setting the Context for Update 2018
  o Unprecedented multi-year drought
  o 2nd wettest year on record

❖ Diverse Water Supplies & Uses
  o Water balances 2011 - 2015

❖ State Initiatives & Investments
  o Water Action Plan & related State actions
  o Propositions 1 and 68
California Water Today

Historical Investment in Water

- State expends ~ $2 Billion/year on water management
- State allocates only 2% of State General Fund for water
- 80% of investment from Local/regional entities
- 75% for ongoing costs
- Investment backlog is at least $350 Billion over next 50 years
Challenges to Sustainability Threaten the People & Ecosystems of CA

- Greater Drought Impacts - Unreliable Water Supplies
- Increasing Flood Risk
- Groundwater Depletion & Subsidence
- Degraded Water Quality
- Declining Environmental Conditions
- Aging Infrastructure
- Climate Change Impacts
Systemic & Institutional Challenges

Overcoming them Increases Return on Investment

- Fragmented and uncoordinated decisions, initiatives & actions
- Inconsistent, inflexible, & conflicting regulations
- Insufficient capacity for data-driven decision-making
- Insufficient & unstable funding
- Inadequate performance tracking
6 Sustainability Goals & 20 Rec’d Actions To Overcome Challenges

1. Improve Integrated Watershed Management
2. Strengthen Infrastructure Resiliency & Operational Flexibility
3. Restore Critical Ecosystem Functions
4. Empower Under-Represented & Vulnerable Communities
5. Improve Agency Alignment & Address Persistent Regulatory Challenges
Goal 1
Improve Integrated Watershed Management

- Action 1.1 — Strengthen State Support for Integrated Regional Water Management and Vulnerable Communities.

- Action 1.2 — Support the Role of Working Landscapes.

- Action 1.3 — Promote Flood-Managed Aquifer Recharge (Flood-MAR) and Sustainable Groundwater Management Practices.

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Update 2018 Innovations

- Multi-Sector Collaboration & Multi-Benefit Projects
- Sustainability Outlook
- Regional Water Mgmt Atlas
- Investment Strategy
- Funding Scenarios

“Innovation is change that unlocks new value” - Jamie Notter
Sustainability Requires Alignment & Integration

- Multi-Sector Collaboration
- Multi-Discipline Planning
- Multi-Benefit Projects
- Multi-Fund Investments

Integrated Watershed Management
Sustainability Requires Consistency with Values

The combined effect of actions and projects within watersheds and groundwater basins is consistent with societal values, while fostering trust and promoting equity.
Sustainability Requires Tracking & Adaptive Management
The Sustainability Outlook
Demonstrate Return on Investment

Public Health & Safety

**Sample Value**

**Sample Intended Outcome**

An adequate water supply for domestic needs, sanitation, and fire suppression

**Sample Sustainability Indicator**

Number of public water systems (population served) not in compliance with drinking water standards

4 1 dozen 3 dozen
Take-Home Messages

1. Water Plan Update 2018:
   - Operationalizes statewide water resources sustainability
   - Recommends priority actions and investment

2. Update 2018 includes strategies for improving infrastructure and ecosystems **AND** dealing with systemic and institutional challenges

3. Release of final Update 2018 is just the beginning
   - Sustained partnerships are critical for action refinement and implementation
Ways to Access Water Plan Information

➢ Visit the Water Plan Web Portal

➢ Subscribe to Water Plan eNews
Questions & Comments

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Statewide Integrated Water Management
CA Department Water Resources