Update 2009 – State’s Blueprint
Integrated Water Management & Sustainability

VISION
- Public Health, Safety, Quality of Life
- Vitality, Productivity, Economic Growth
- Healthy Ecosystem, Cultural Heritage

Foundational Actions for SUSTAINABLE WATER USES
- Use Water Efficiently
- Protect Water Quality
- Expand Environmental Stewardship

Initiatives for RELIABLE WATER SUPPLIES
- Expand Integrated Regional Water Management
- Improve Statewide Water and Flood Management Systems
California State Government in partnership with others should invest in water innovation & infrastructure to support integrated water management and sustainable outcomes.

**Innovation**
- Governance improvements
- Planning & public process improvements
- Information technology (data & tools)
- Water technology / R&D

**Infrastructure**
- Regional projects
- Inter-regional projects
- Statewide systems

**State Investments - Finance Plan**
- Stable funding with focus on innovation investments
- Seed money to incentivize infrastructure improvements
Integrated Regional Water Management

48 Regional Water Mgmt Groups

- Foster partnerships & promote regional solutions
- **Diversify water portfolios & integrate supplies**
  - Leverage economies of scale to reduce costs
  - Integrate data, tools & resources
- Invest in multi-benefit projects with sustainable outcomes
Integrated Flood Management

- Comprehensive approach to flood management
- Considers land & water resources at watershed scale
- Minimizes loss of life and property damage from flooding
- Maximizes benefits of floodplains
- Recognizes benefits to ecosystems from periodic floods

Adapted from World Meteorological Organization
Improve Coordination
Land Use Planning & Water Management

- Land use planning controlled locally
- Water management decentralized -- over 2,300 counties, cities, public agencies, and private water companies
- Use IRWM to coordinate land use planning with water supply, quality, flood management, and climate adaptation
- State Government provides technical assistance and financial incentives
- Improve coordination among State agencies and with IRWM Partnerships
Strategic Plan Elements
double foldout 12A – 12D

- Desired future for CA water & Purpose of Water Plan
- Desired outcomes for the 2050 planning horizon
- Core values & philosophies
  - Statements of intent / Focus on what & when
- Removing impediments & leveraging opportunities

Vision & Mission
- 7 Goals
- 10 Guiding Principles
- 13 Objectives & 115+ Actions
- 9 Recommendations

Vision & Mission
Desired future for CA water & Purpose of Water Plan

7 Goals
Desired outcomes for the 2050 planning horizon

10 Guiding Principles
Core values & philosophies

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Statements of intent / Focus on what & when

9 Recommendations
Removing impediments & leveraging opportunities
California Water Plan Update 2009
Objective 10 – Improve Data & Analysis

- Improve and expand monitoring, data management, and analysis to support decision-making, especially in light of uncertainties, that support Integrated Regional Water Management and flood & water resources management systems

- 12 Related Actions
  - Improve water management info
  - Improve data integration
Objective 11 – Invest in New Water Technology

- Identify and fund applied research and pilot studies on emerging water technology to make them attainable and more cost effective
- Work with CCST, academic institutions & private partners
- 3 Related Actions
  - Identify, prioritize, and begin funding applied research projects
  - Invest in pilot projects
  - Continue CEC PIER Program to reduce energy intensity & demand
## 27 Resource Management Strategies
### A Range of Choices

### Reduce Water Demand
- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

### Improve Operational Efficiency & Transfers
- Conveyance – Delta
- Conveyance – Regional / Local
- System Reoperation
- Water Transfers

### Increase Water Supply
- Conjunctive Management & Groundwater Storage
- Desalination – Brackish & Seawater
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage – Regional / Local

### Improve Water Quality
- Drinking Water Treatment & Distribution
- Groundwater / Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Salt & Salinity Management
- Urban Runoff Management

### Practice Resource Stewardship
- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants & Water Pricing)
- Ecosystem Restoration
- Forest Management
- Land Use Planning & Management
- Recharge Areas Protection
- Water-Dependent Recreation
- Watershed Management

### Other
- Crop idling, dew vaporization, fog collection, irrigated land retirement, rainfed agriculture, waterbag transport
Working on Update 2013
Update 2013
Content Enhancements

- Integrated Water Management
  - Expand on water quality
  - Continue integrated flood mgmt
  - Expand on groundwater
  - Add near coastal resources

- Regional Planning
  - Expand on land use & water mgmt nexus
  - Incorporate UWMP content
  - Expand economic & financial planning

- Data, Metrics & Analysis
  - Improve data mgmt & sharing
  - Enhance inter-disciplinary technical analyses
  - Develop metrics & sustainability indicators
  - Develop CA Water Mgmt Progress Report

- Adaptive Management
  - Revisit environmental water concept
  - Use Living Document approach
  - Use multiple & shorter planning horizons
  - Identify outdated water codes & laws
Update 2013 Collaboration Venues

Target Audiences

Broader Public

ADVISORY COMMITTEE

SA STEERING COMMITTEE

Caucus/Regions

FAN

TRIBAL AC

SWAN
California Water Plan Update 2013

Topic Caucuses & Focus Areas

- Update 2013 Finance Plan
- Groundwater
- Water Quality
- Integrated Flood Management
- New Water Technology / R&D
- Sustainability Indicators
- Scenarios – Planning for Future Uncertainty
Update 2013 Schedule

Oct. 2009
Plenary Meeting

March 2010
Project Team Meeting

Nov 2010
Launch Update 2013 Outreach

Feb. 2011
Release Work Plan

Apr. 2012
Draft Assumptions & Estimates Report

Feb. 2013
Public Review Draft

Dec. 2013
Final Update 2013

Jan. 2010
Update 2009 AC Meeting

July 2010
Public Meeting

Sept 2010
Tribal Work-Shop

Dec. 2012
California Water Management Progress Report

6 Steering Committee Meetings

We Are Here

Jan. 2011

Jan. 2012

Jan. 2013

Jan. 2014
Ways to Access Water Plan Information

➢ Visit the Water Plan Web Portal
www.waterplan.water.ca.gov

➢ Subscribe to Water Plan eNews
a weekly electronic newsletter
www.waterplan.water.ca.gov/enews