Flood Management in the California Water Plan

Plenary Session
Sacramento
October 22, 2007
How is Flood Management Addressed in the Strategic Plan?

- Vision
- Mission
- Goals
- Recommendations
- Implementation Plan
Framework for Action
Sustainable & Reliable Water in 2030

Vision

2 Initiatives
Ensure Reliable Water Supplies

3 Foundational Actions
Ensure Sustainable Water Uses

Vital Economy
Healthy Environment
High Standard of Living

Implement Integrated Regional Water Management

Improve Statewide Water Management Systems

Use Water Efficiently

Protect Water Quality

Support Environmental Stewardship
Initiative 1
Implement Integrated Regional Water Management

- Foster regional partnerships
- Develop integrated regional water management plans
- Diversify regional water portfolios using mix of strategies
Initiative 2
Improve Statewide Water Management Systems

- Improve aging facilities
- Improve flood management
- Sustain the Sacramento-San Joaquin Delta
- Implement CALFED Program
- Implement Statewide Water Management Programs
# Changes in Volume 1

<table>
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<th>Update 2005</th>
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<tr>
<td>1. Introduction</td>
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<tr>
<td>3. Companion Strategic Plans</td>
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<td>(Delta Vision, FloodSAFE, Energy Plan, Governor’s Climate Initiative, Basin Plans, CPUC Water Plan, etc.)</td>
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<td>4. Preparing for an Uncertain Future</td>
<td>5. Managing for Uncertainty, Risk and Sustainability</td>
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<td>(Drivers of change, future scenarios and responses)</td>
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<td>5. Implementation Plan</td>
<td>6. Integrated Data and Analysis</td>
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<td>(Analytical approach and tools)</td>
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<td>7. Implementation Plan</td>
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Recognize Flood Connections to the Resource Management Strategies

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

**Improve Operational Efficiency & Transfers**
- Conveyance
- 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 and Distribution
- Groundwater/Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Urban Runoff Management

**Practice Resource Stewardship**
- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Floodplain Management
- Recharge Areas Protection
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management
Update Future Scenarios

- How to reflect Climate Change or a Flood Event?

Graph: Uncertain Trends
- Historical
- Current Trends
- Less Resource Intensive
- More Resource Intensive
Update & Expand 12 Regional Reports

- Build on Update 2005
- Engage integrated regional water management efforts
- Identify regional flood management issues
Process & Schedule
Mandated Products & Due Dates

- **Dec. 2009** – Final Water Plan
# Meeting Schedule
## California Water Plan Update 2009

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**Steering Committee**

**Steering Committee Briefing (Prep for AC)**

**Advisory Committee**

**Regional Workshops (8-9 locations over 2 months)**

**Regional Forum (Multi Region Gathering)**

**As needed - facilitated AC/SC Topic Workshops**

**Public Comment Workshops**

**Plenary**
Discussion:
What Statewide Flood Management issues should be included?
Discussion:
What flood management information or element is missing?
Discussion:
How can the flood management elements of the Water Plan help local flood managers?
Update & Expand
12 Regional Reports

- Build on Update 2005
- Engage integrated regional water management efforts
- Identify regional flood management issues
Adding Flood Management to Regional Reports

- Setting
  - Major Watersheds
- State of the Region
  - Flood Management Issues
- Looking to the Future
  - Flood Management
    - With Current Trends (e.g., population & land use)
    - With Climate Change?
Discussion:

What flood management information should be included in the Regional Reports?
Discussion:

How should this new information be collected?
Discussion:
What data would be meaningful at the scale of the hydrologic regions (e.g., Central Coast)?