Imperative to Act to Keep Pace w/ Changes

- Population growth
- Shift to permanent crops
- Delta & watersheds in decline
- Climate Change profoundly impacting water systems
- Current water & flood systems aging and challenged by legal remedies & regulatory protections
- Growing economic & societal consequences of declining water reliability and degraded quality of surface & groundwater supplies
Statewide Runoff
(April 1, 2009 projection)

2006: 180%
2007: 40%
2008: 60%
2009: 80%

Percent of Normal
California’s Drought

- 2009 third dry year statewide; 8th driest January on record
- Major reservoirs remain very low
- Groundwater basins are depleted
- Early March rain helped, but drought conditions in 2009 projected to be dry for third year

Lake Oroville
2-3-2009
2008 Drought Impacts

- Agricultural losses – more than $300M
- Local rationing
- Delayed economic development
- Reduced hydropower generation
- Reduced recreation
- Increased wildfire
- Small systems at risk
Drought Response

- Governor’s Drought Emergency Proclamation
- Water Conservation
- Drought Water Bank
- Regional transfers
- Expedited State grants
- Public education & outreach
Long Term Actions

- Sustain & increase conservation & reuse
- Diversify regional water portfolios
- Increase conjunctive management & storage
- Manage a sustainable Delta
- Continuous investments

That is:

Implement the California Water Plan Update 2009
The California Water Plan

- First published in 1957 as Bulletin 3
- Updated 8 times (Bulletin 160); last one in 2005
- DWR required by law (Water Code) to update the Water Plan every 5 years; next one in 2009
- Growing interest by Legislature and stakeholders
- Part of Governor’s Strategic Growth Initiative
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
Update 2009 Features

- Provides an investment guide for the water community with an array of strategies to achieve multiple goals & benefits.
- Integrates State government initiatives, objectives & strategies and offers ~100 near- and long-term actions to achieve them.
- Incorporates consideration of uncertainties, risks & resource sustainability into water & flood planning for the future.
Update 2009 Features

- Incorporates strategies for Integrated Flood Management and climate adaptation & mitigation.

- Describes 27 resource management strategies to diversify regional water portfolios & increase regional self-sufficiency.

- Outlines new analytical methods and tools to plan for population growth & development patterns, climate change, economic change, and other uncertainties.

- Updates 12 regional reports.
Integrated Regional Water Management

Watershed Management
- Reduced Siltation
- Water Quality
- Habitat

Dam Rehabilitation
- Flood Protection
- Water Supply
- Fish Passage

Land Use Planning
- Protect Groundwater Recharge Areas

Recharge Basins
- Water Supply & Quality
- Pumping Lifts

Water Conservation
- Reduced demand
Integrated Regional Water Management

Ag Water Conservation
- Reduced Demand
- Reduced Ag Runoff

Imported Water
- Reduced Dependence
- Use when available

System Interties
- Mutual Reliability
- Emergency Readiness

Recycled Water
- Water Supply
- Reduced Discharge

Desalination
- Water Supply
- Groundwater Quality
California Water Plan Update 2009
Process Guide

Public

Advisory Committee
Communities of Interest
Statewide Organizations

Regional Forum & Workshops
Communities of Place
Local Agencies & Governments

Extended Review Forum
Interested Public

Govt-to-Govt Collaboration

Water Plan Steering Committee
State Agencies

Co ordination
Federal Agencies

Consultation
Tribal Governments

< Plenary >
Everyone

DWR & Other State Agencies

Multi-Disciplinary Project Team

Work Teams
Analytical Tools & Data
Communications Planning
Environmental Water Facilitation
Integrated Flood Management
Land & Water Use
Resource Management Strategies
Water Supply & Balance
Water Quality

Regional Leads
State staff working with Regional Efforts
Regional Reports

Statewide Water Analysis Network (SWAN)
Scientists & Engineers

Information Exchange & Data Integration
Climate Change
Shared Analytical Tools & Methods
### 24-Month Collaboration Statistics
#### Mar 2007 – February 2009

Comparison w/ Update 2005

87% of collaboration in 40% of the time

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<tr>
<th>Meeting</th>
<th>Number</th>
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* Not including briefings
What’s Next
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
Send Comments by June 5

- **E-mail:** cwpcom@water.ca.gov
- **Fax:** 916-651-9289
- **Postal mail:**
  Attn: Paul Dabbs
  Statewide Water Planning
  California Department of Water Resources
  PO Box 942836, Sacramento, CA 94236-0001

All comments posted online

[Website Link]

www.waterplan.water.ca.gov/comments/update2009/
Questions ?