California Water Plan Update 2009

Resource Management Strategies Overview

1st Plenary Meeting Sacramento
October 23, 2007
Integrated Regional Water Management

A key initiative of the California Water Plan

Implement Integrated Regional Water Management

- Use Water Efficiently
- Protect Water Quality
- Support Environmental Stewardship

Improve Statewide Water Management Systems

Vital Economy
Healthy Environment
High Standard of Living

Updated every 5 years
Available at: www.water.ca.gov
Initiative 1
Implement Integrated Regional Water Management

- Foster regional partnerships
- Develop integrated regional water management plans
- Diversify regional water portfolios using mix of strategies
Integrated Regional Water Management

- Expands solution opportunities
- Integrates Resources Management Decision-making
- Reduces Costs and Maximizes Value
- Provides for Sustainability
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
<table>
<thead>
<tr>
<th>Resource Management Strategies</th>
<th>Water Management Objectives</th>
<th>Cumulative Cost of Option by 2030 ($ Billion)</th>
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<td>Reduce Water Demand</td>
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Range of Additional Water by 2030 for Eight Resource Management Choices

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Water Plan Update Organization

- Introductory Video (8-minutes)
- Water Plan Highlights (with CD & DVD)
- Vol. 1 > Strategic Plan
- Vol. 2 > 25 Resource Management Strategies
- Vol. 3 > 12 Regional Reports
- Vol. 4 > Reference Guide (60+ online articles)
- Vol. 5 > Technical Guide (Online documentation)
Outline for Narratives

- Strategy Definition
- Current level of implementation
- Additional benefits by 2030, 2040, 2050
- Cost of additional implementation
- Issues & implementation challenges
- Recommendations to reduce challenges to implement more
Track Discussion

Questions

> Energy, Climate & Water Quality
> Integrated Regional Plans
> Integrated Flood Management
> Sustainability
> Performance Indicators