Questions Relevant to the Water Plan

What is sustainability with respect to integrated water management?

What are California’s integrated water management sustainability objectives?

What resource management strategies or policies should be implemented in pursuit of objectives?

How will we know if/when we are on track to meeting sustainability objectives?
Water Plan Update 2009

A Foundation for Developing Sustainability Indicators
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
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
Water Plan Update 2013

Integration of Sustainability Indicators
Water Plan Components
With Sustainability Indicator Nexus

- Strategic Plan
- Regional Reports
- Future Scenarios
- Resource Management Strategies
- Companion State Plans
- Update 2013 Finance Plan
- CA Water Management Progress Report
Update 2009 Strategic Plan informed Update 2013 sustainability work plan and priorities

Update 2009 includes 13 objectives; all of which are related to sustainably managing water-related resources

High-level sustainability policy recommendations will be published in Update 2013 Strategic Plan
Regional Reports
Relevance to Sustainability Indicators

- Articulation of information, data, challenges, opportunities and regional resource management objectives
- Resource management conditions, challenges, proposals and priorities will be described in regional reports
- Ensure regionally relevant solutions
Water Plan Update *Future Scenarios*

**Relevance to Sustainability Indicators**

- Multiple plausible sets of future conditions that can affect the necessity for (and performance of) management strategies

- Used to assess trade-offs and resiliency of resource management strategy packages to guide action and policy recommendations

**Factors of Uncertainty**

<table>
<thead>
<tr>
<th>Category</th>
<th>Current Trends</th>
<th>Slow &amp; Strategic Growth</th>
<th>Expansive Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>Recent trends are assumed to continue into the future. Regulations are not coordinated or comprehensive, creating uncertainty for planners and managers. The state continues to face lawsuits, from flood damages to water quality and endangered species protections.</td>
<td>Private, public, and governmental institutions form alliances to provide for efficient planning and development that is less resource intensive than current conditions. State government implements comprehensive and coordinated regulatory programs to improve water quality, protect fish and wildlife, and protect communities from flooding.</td>
<td>Future conditions are more resource intensive than existing conditions. Protection of water quality and endangered species is driven mostly by lawsuits. State government has responded on a case-by-case basis, creating a patchwork of regulations and uncertainty for planners and water managers.</td>
</tr>
<tr>
<td>Land Use</td>
<td>Continued development</td>
<td>Compact development</td>
<td>Sprawling development</td>
</tr>
<tr>
<td>Irrigated Crop Area</td>
<td>8.6 million acres (0.7 mil. acre decrease)</td>
<td>9.0 million acres (0.2 mil. acre decrease)</td>
<td>8.2 million acres (1.0 mil. acre decrease)</td>
</tr>
<tr>
<td>Environmental Water</td>
<td>1.0 additional MAF</td>
<td>1.5 additional MAF</td>
<td>0.6 additional MAF</td>
</tr>
<tr>
<td>Background Water Conservation</td>
<td>10% more efficient</td>
<td>18% more efficient</td>
<td>5% more efficient</td>
</tr>
</tbody>
</table>
Menu of options for achieving sustainability objectives
State and Federal Companion Plans
Relevance to Sustainability Indicators

- Coordination and consolidation of state actions and policies that relate to sustainability
- Aligning sustainability indicators can support common performance tracking method/language
- Water Plan process engages 30 State agencies
Finance Planning
Relevance to Sustainability Indicators

“Determine values for economic, environmental, and social benefits, costs, and tradeoffs to base investment decisions on sustainability indicators.”

- One of the Guiding Principles of Water Plan Update 2009-
Update 2013 will include a new financial planning feature that will report on the costs and finance recommendations for achieving sustainability objectives.
Update 2013 will report on whether, and to what extent, Update 2009 recommendations are being implemented.

Update 2018 and beyond; will seek to integrate measurable indicators to track whether targeted benefits are actually occurring.
Update 2013 Collaboration Venues

Broader Public

Target Audiences

PUBLIC ADVISORY COMMITTEE

SA STEERING COMMITTEE

Topical Caucus/Regional Forums

FAN

TRIBAL AC

STATEWIDE WATER ANALYSIS NETWORK
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