

MEETING SUMMARY

CALIFORNIA WATER PLAN UPDATE 2009 ADVISORY COMMITTEE MEETING

8:30 A.M. – 4:00 P.M.
DOUBLE TREE HOTEL
2001 POINT WEST WAY
SACRAMENTO, CA

MEETING OBJECTIVES:

1. Review the revised draft Update 2009 Strategic Plan Elements (Mission, Vision, and Goals).
2. Review and discuss DWR's Staff Initial Draft of Update 2009 Objectives and Related Actions.

Next AC Briefing:

August 27, 2008
9:30-11:30 AM
Center for Collaborative Policy
Sacramento, CA 95811
1-877-536-5793, passcode: 344390
<https://www1.gotomeeting.com/register/186612010>

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Welcome and Greetings, Opening Remarks, and Updates

Opening Remarks:

Lisa Beutler, Executive Facilitator from the Center for Collaborative Policy (CCP), welcomed everyone to the fourth meeting of the Advisory Committee (AC) for the California Water Plan Update 2009 (Update 2009) and reviewed the meeting agenda. The agenda and all other meeting materials are available on the website: <http://www.waterplan.water.ca.gov/materials>

Kamyar Guivetchi, California Department of Water Resources (DWR)

Kamyar Guivetchi, DWR, welcomed and thanked everyone for attending. Mr. Guivetchi conveyed a message from Mark Cowin, Deputy Director, DWR, that Mr. Cowin would be able to late to the meeting because that morning he had been asked to work with legislators on the crafting of a proposed comprehensive water bond that would include funding for integrated regional water management.

Paula Landis, California Department of Water Resources (DWR)

Paula Landis, DWR, introduced herself as the new Acting Chief of the DWR Division of Planning and Local Assistance (DPLA). She had taken the position to replace John Woodling, who had been the previous Acting Division Chief. Ms. Landis was also the Chief of DWR's Central District in Fresno, where she involved with program work the California Water Plan Update 2005 and Update 2009. She said she looked forward to working with the Water Plan Advisory Committee and Steering Committee during her interim assignment.

Updates

Kamyar Guivetchi said that DWR was paying attention to feedback received on how to keep the AC more engaged in the Water Plan process. For example, DWR changed the AC meeting format to a 1-day meeting in response to AC member requests. Mr. Guivetchi gave an overview of recent process activities for the Water Plan.

Regional Outreach

The Water Plan had been highly involved with regional outreach, completing 11 regional workshops in 2008 and an All-Regions Forum in San Jose on June 2-3, 2008. These outreach activities promoted the idea that solutions for meeting uncertainties in water management should be regionally-developed instead of a one-size-fits-all approach. At the All-Regions Forum, DWR presented examples of strategy mixes from the Integrated Regional Water Management Plans (IRWMPs) and asked participants to give input on how well the strategies fit with their own regions. In the Water Plan, DWR subdivides the state into 10 hydrologic regions and 56 Planning Areas. DWR heard from All-Regions Forum participants that there was significant variability within the hydrologic regions. DWR will be using the first-hand information it received from regional participants as it develops Response Packages for its analytical studies on future scenarios in the Water Plan.

AC Mini-Assessment

The Center for Collaborative Policy (CCP) conducted Mini-Assessment group interviews of the Advisory Committee member caucuses during April 2008. CCP briefed its assessment findings to DWR, the Steering Committee, and Advisory Committee in May 2008. The PowerPoint presentation of the AC Mini-Assessment Findings is available on the Water Plan website at this location: <http://www.waterplan.water.ca.gov/ac/>

Tribal Communications Committee

The Tribal Communications Committee (TCC) was nearly finished with completing the first version of its Tribal Communications Plan. It would be made available to the public at the State Agency Steering Committee within a few days. The Tribal Communications Plan is a living document and is designed to evolve over time.

Climate Change Technical Advisory Group

The Water Plan's Climate Change Technical Advisory Group (CCTAG) held its first meeting in May 20 and would meet next on July 16. The focus of their meeting is to examine ways to update understanding of climate change impacts on water systems and consider adaptation strategies to help prepare for future climate change impacts. DWR hopes that the CCTAG will have a draft set of recommendations ready to be included in the Pre-Administrative Draft of the Water Plan Update 2009.

FloodSAFE Draft Strategic Plan

FloodSAFE released the Public Review Draft of its Strategic Plan in June 2008. FloodSAFE held several public workshops in June and July on the draft Strategic Plan.

Discussion:

AC members raised the following comments after the Overview briefing:

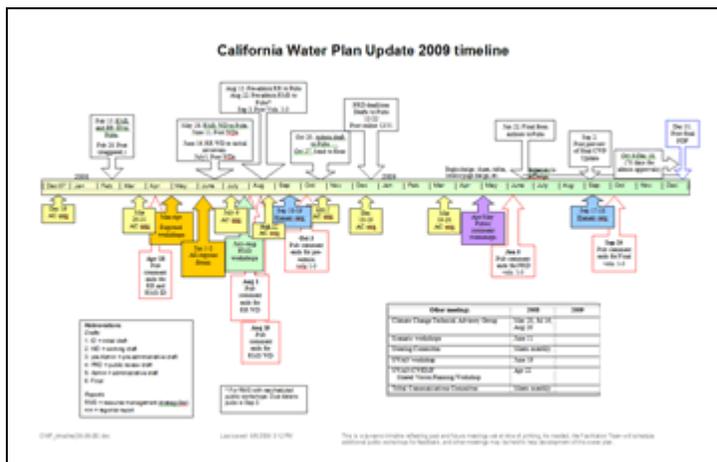
- There was a comment that the AB 32 Draft Scoping Plan had only 2 pages devoted to water management.
 - Mr. Guivetchi responded that the Water-Energy Work Group of the AB 32 Climate Action Team (WETCAT) had been working with more content than appeared in the 2 pages of the Draft Scoping Plan.
- A concern was raised that DWR ensure that underrepresented and disadvantaged communities participate in the Integrated Regional Water Management Plan (IRWMP) groups throughout the State. The concern was that many IRWMPs may be controlled by local governments and water agencies and that certain stakeholder communities may be excluded from the regional planning processes by more powerful entities. There was suggestion that DWR add a requirement into the IRWMP grant approval process for applicants to demonstrate the extent of their outreach and community participation.
 - Mr. Guivetchi said that IRWMPs are public information available on DWR's website, and that DWR was interested in working with the AC to craft the Water Plan Objectives and Recommendations to address such issues.

Document Production Timeline

Kamyar Guivetchi presented a draft Document Projection Timeline for 2008 and 2009 that was part of the meeting handout packet. DWR asked for written comments by the following deadlines:

- Volume 2 Resource Management Strategy Narratives: by August 11
- Volume 3 Regional Reports: by August 1.

Written comments should be sent to cwpc@water.ca.gov



New Resource Management Strategy: Salt Management

Kamyar Guivetchi, DWR, announced that a new resource management strategy would be added to the Water Plan, currently called “Salt Management.” This resource management strategy would take a comprehensive approach to salt management and not be limited to ocean water. It would address salinity issues with urban, agricultural, and environmental water resources.

Discussion:

The group made the following comments:

- The Water Plan’s Resource Management Strategies are related to each other, and integration needs to be explicit statements about integration in the strategy narratives.
- Resource Management Strategies should take into consideration local conditions.
- The new Salt Management strategy narrative should take into consideration salinity problems facing the Imperial Valley (i.e. Salton Sea) as well as the Central Valley.
- There was a suggestion that the Resource Management Strategies broad subject areas (i.e. Demand Reduction, Supply Augmentation, etc.) could be used as Objectives.

Revised Strategic Plan Elements

One of the Water Plan Update 2009’s key activities is to update the Strategic Plan Elements from *California Water Plan Update 2005*. The Strategic Plan Elements consist of:

- Vision
- Mission

- Goals
- Guiding Principles

At its June 2007 meeting, the AC reviewed the strategic plan for *Water Plan Update 2005* and offered changes. At its December 2007 meeting, the AC discussed a DWR staff draft for some of the Strategic Plan Elements for Update 2009 (December 19, 2007) – namely, the Vision, Mission, Goals, and Guiding Principles. Through February 2008, a number of AC and State-agency Steering Committee (SC) members submitted comments on the strategic plan elements that are posted on the Water Plan Comments Webpage. DWR used the comments to revise the Strategic Plan Elements, and the Track Change and Clean versions of the July 1, 2008 Strategic Plan Elements was part of the meeting materials handout packet for this meeting.

Draft Objectives and Related Actions for Update 2009

Kamyar Guivetchi gave a PowerPoint presentation, titled “Strategic Plan Elements & Developing SMART Objectives.” As a strategic plan, the Water Plan is modeled after the CA Department of Finance (DOF)’s Strategic Plan Guidelines and uses DOF’s terminology. The PowerPoint presentation described the strategic planning terms and definitions as they are used for the Water Plan. Definitions:

- Vision:** The vision statement describes the desired future for California water resources and management and serves as a foundation for water and flood planning during the planning horizon.
- Mission:** The mission statement describes the Water Plan’s unique purpose and its overarching reason for existence. It identifies what the plan should do and why, and for whom it does it.
- Goals:** Goals are the desired outcomes of the Water Plan over its planning horizon. They are founded on the statewide vision. Meeting the goals requires coordination among State, federal, tribal, and local governments and agencies.
- Guiding Principles:** The guiding principles describe the core values and philosophies that dictate how to achieve the vision, mission, and goals. In other words, the guiding principles describe how to make decisions and do business.
- Objectives:** Objectives are specific and measurable targets for accomplishing a goal. They mark interim steps toward achieving the mission and goals. The objectives are measurable, time-based statements of intent, linked directly to the goals. They emphasize the results of actions at the end of a specific time.
- Recommendations:** Recommendations describe changes needed to reduce or eliminate constraints and impediments, or to harness opportunities, to help achieve the actions, objectives, goals, and vision. Recommendations are directed at decision-makers throughout California, the executive and legislative branches of State government, and/or DWR and other State agencies. Recommendations are as

varied as the constraints they are intended to change, including institutional, legal, knowledge, information, skills/capacity, resources, funding, schedule, public awareness, etc.

DWR intends for the final Water Plan Update 2009 to have SMART Objectives:

SMART Objectives Checklist

- **Specific** – Does the objective reference a discrete achievement?
- **Measurable** – Does the objective have a measurable outcome with an identified metric?
- **Attainable** – Is it possible to achieve the objective given constraints?
- **Relevant** – Will the objective lead to the desired results – meet the desired goals?
- **Time-bound** – Is there a date by which the objective will be reached?

Discussion:

AC members raised the following comments after the SMART Objectives presentation:

- A concern was raised that the Water Plan did not have an explicit Goal about economic growth and business vitality, although it is part of the Vision.
 - o Proposed text for new Goal: *Provide a long-term secure and reliable water supply to ensure a vibrant economy and the water necessary for future population and employment growth.*
- A concern was raised that the current Vision did not include an explicit statement about sustaining long term water supplies.

Mr. Guivetchi responded that the Water Plan’s Mission Statement is includes “develop water resources and systems... to ensure adequate reliable, secure, affordable, and sustainable water supplies of suitable quality for beneficial uses...”

DWR Staff Draft of Objectives and Related Actions for Update 2009

Mr. Guivetchi presented the DWR Staff Draft of the Objectives for Update 2009.

One of the eight Key Activities for Water Plan Update 2009 is to:

Review and revise as needed the vision, mission, and goals of the Water Plan, and update its initiatives, recommendations, and implementation plan. This includes (a) reporting progress on actions associated with Update 2005's 14 recommendations, (b) addressing "Parking Lot" topics from the Update 2005 Advisory Committee, (c) incorporating issues and initiatives from Steering Committee members, (d) updating the Water Plan stakeholder/customer survey, and (e) including strategic planning for flood management.

The draft Objectives and Related Actions presented in the DWR Staff Draft were the next addition to the Update 2009 Strategic Plan Elements, and were the focus of the July 9 AC Meeting. Taken together, the draft Objectives and Related Actions were meant to provide a framework for making Recommendations in Water Plan Update 2009.

Draft Objectives and Related Actions

As written, these draft Objectives are not yet SMART objectives as defined for the Water Plan. The DWR Staff Draft Objectives are listed below:

- Objective 1 Fully Implement Integrated Regional Water Management**
- Objective 2 Aggressively Increase Water Use Efficiency, Recycling and Reuse**
- Objective 3 Promote and Practice Integrated Flood Management**
- Objective 4 Promote and Practice Ecosystem Stewardship and Sustainability**
- Objective 5 Improve and Expand Conjunctive Management of Surface and Groundwater Storage**
- Objective 6 Improve and Expand Monitoring, Data Management and Analysis**
- Objective 7 Plan for and Adapt to Sea Level Rise**
- Objective 8 Identify and Fund Focused Research on Climate Change and New Water Technology**
- Objective 9 Provide Sustainable Funding for Statewide & Integrated Regional Water and Flood Management**
- Objective 10 Reduce Energy Intensity of Water and Wastewater Management Systems**
- Objective 11 Practice Sustainable Management of the California Delta Ecosystem and Water Resources and Recognize the Delta as a Unique and Valued Area**
- Objective 12 Protect and Restore Surface Water and Groundwater Quality**

Objective 13 Increase Tribal Participation and Access to Funding

Objective 14 Prepare Response Plans for Floods, Droughts and Other Catastrophic Events

A new 15th Objective, proposed by staff, was “**Integrate Policies for Land Use and Water Planning & Management.**” This proposed objective was intended to address the institutional gaps between land and water policies and management, even though land and water use are highly related. The 15th Objective was new to the AC and had not been part of the 14 Objectives that were sent to them for review prior to the AC meeting.

Note: The Objectives and Related Actions in the DWR Staff Draft were not prioritized or presented in any particular order. Numbering was included to facilitate their identification during discussion and commenting.

Genesis of this DWR Staff Draft

The draft objectives and related actions presented in this DWR Staff Draft are taken in large part from DWR’s Draft Climate Change Adaptation White Paper dated June 30, 2008, as well as from Companion State Plans (some of which are still working drafts).

- Objectives 1 – 9 were derived from the Climate Change Adaptation White Paper. They were initially developed as adaptation strategies to reduce climate change impacts.
- Objectives 10 – 14 were derived from Companion State Plans. They were developed to meet various resource management and communication goals.

DWR circulated an earlier draft of this document to SC members and the Work Team Leads, and it used their comments to improve the clarity and content of this July 1, 2008 draft. While incorporating comments, DWR staff tried to maintain the intent, if not the text, of objectives and related actions from Companion State Plans.

The Companion State Plans considered so far in preparing the draft Objectives & Related Actions were:

- Draft Climate Change Adaptation White Paper (DWR, June 30, 2008)
- Draft Water-Energy Climate Change Mitigation Strategies (WETCAT, March, 2008)
- Draft FloodSafe Strategic Plan (DWR, May 28, 2008)
- Preliminary Staff Draft Delta Vision Strategic Plan (Delta Vision, June 18, 2008)
- Water Boards Strategic Plan 2008-2012 (Water Boards, 2008)
- Draft Bay-Delta Strategic Work Plan (Water Boards, June, 2008)
- Water Action Plan (CPUC, November, 2005)
- California Wildlife Action Plan (DFG, 2007)
- California Transportation Plan 2025 (April, 2006) and 2030 (Caltrans, October, 2007)
- Update 2009 Draft Tribal Communication Plan (TCC, June 17, 2008)

- Preparing for California’s Next Drought – Changes Since 1987–1992 (DWR, 2000)
- Critical Water Shortage Contingency Plan, Governor’s Advisory Drought Panel (2000)
- California Drought, An Update (DWR, April, 2008)

Discussion

The remainder of the AC meeting was focused on the content of the Objectives and Related Actions. During the late morning and lunch, the AC met in their table groups to comment on content (modify, add & subtract) and to also suggest possible timeframes (urgent, near-term, mid-term, and long-term). The afternoon table group discussions focused on suggesting impediments and opportunities for achieving the Objectives and Related Actions. Identifying impediments and opportunities will help DWR staff lay the groundwork for the Update 2009 Recommendations, which for Water Plan Update 2009 are distinct from the Objectives and Related Actions.

AC members used two worksheets to guide their discussion. Worksheets were collected after the meeting, and their handwritten contents were compiled and put into Appendix at the end of this meeting summary.

The Table Groups later reported back to the whole group the major comments from their table. Below is a summary of the verbal feedback given by the Table Group Reports for each Objective.

Group Report-Outs:

Objective 1: “Fully Implement Integrated Regional Water Management”

- Concern with the words “**fully**” and “**aggressively**”
- Barriers: lack of technical assistance, education, outreach,
- Wonder if all regions are participating in IRWM; seems not
- Concern about the use of word “**must**” as opposed to “**may**” and “**should**”
- Add a requirement for participation by low income communities (example: community of Maywood, located between 3 water districts but the community itself is locked out). If IRWMPs are to be fully implemented, they have to ensure representation.
- Whenever there is “**must**” or mandate language, reference the source of the mandate. Make clear that some things are not optional and need to be incorporated into the normal local government and use decision-making.
- Include both **federally and non-federally recognized tribes**
 - o Have a new Related Action for consultation with Tribes

Objective 2: “Aggressively Increase Water Use Efficiency, Recycling and Reuse”

- Objective 2, as written, is “weak sauce”
 - o California is faced with a “new normal”; but Related Actions look at more of the “same old thing”
 - o Add requirements for **purple piping, retrofit on resale, robust landscaping regulations**, and WUE provisions from **AB 2153** by Assemblyman Krekorian
- Acknowledge that a **statewide Water Recycling Policy** is being developed by the State Water Resources Control Board

- Concern: “**Cost effective**” as a qualifier to conservation might discourage implementation of conservation measures and less will be done. It may be difficult to show a direct relationship between water conservation practices and finances or water savings.
 - o Others argue to keep in “cost effective” for accountability. Ratepayers have something to say about how their money is spent.
- Objective #2, Related Action #2: “All local governments are required by statute to adopt the State Model Water Efficient Landscape Ordinance (MWELo) or equivalent...” – reference the source legislation (i.e., which Assembly Bill or Senate Bill?). For anything not specified in the MWELo, then restate the recommendation to local governments from “must” to “**should**”
- Objective #2, Related Action #6: “DWR and other State agencies will provide technical assistance and financial incentives to agricultural water agencies and growers...” This language is not as clear as it needs to be; it looks like tax incentives.
- Make “**cost effective**” as part of the Objective 2
- The term “**Aggressively**” may not be appropriate for the whole state, but it may be appropriate for certain areas and regions (example, canals that contribute to ecosystem creeks as well as downstream users).

Objective 3: “Promote and Practice Integrated Flood Management”

- Address integrated flood management at the **watershed scale** (including alluvial and coastal), not just riverine
- Address the issue of **compensation** when lands are used for floodplain management. Floodplain management practices (such as setback levees) **impact the ability of landowners** to grow certain types of crops.
- Concern: consider **cultural sites** that are exposed and submerged by changes in reservoir levels
- Objective #3, Related Action #5: Concern about “**urbanizing area**” – who will designate? Designating an area as “urbanizing” may give developers access to areas that are already floodplains (i.e. Natomas).

Objective 4: “Promote and Practice Ecosystem Stewardship and Sustainability”

- “Promote and practice” is inadequate.
- Concern: this objective potential infringes on local land use authority. IRWMPs should be established by individual regions.
- Concern: may not be wise to establish the number of acreage
- Emphasize having a **state watershed program** to do many of these actions
- Include language about protection of **drinking water**.

Objective 5: “Improve and Expand Conjunctive Management of Surface and Groundwater Storage”

- Emphasize aquifer storage and recovery, Objective #12 and Objective #5 could be combined into a single Objective
- Concern that Recommended Action #1 is too heavily **weighted to building new reservoirs** rather than reoperating existing storage.
- It is **missing a Recommendation Action for conjunctive use** between surface water and groundwater.

Objective 6: “Improve and Expand Monitoring, Data Management and Analysis”

- Use evidence-based decision making
- Monitoring, data management, and analysis doesn't mean much unless there is adequate **funding to complete the analysis.**
- Emphasize the critical need for funding and to better integrate data across agencies, i.e. Water PIE concept (*Water PIE is in Objective #6, Recommended Action #7*)

Objective 7: “Plan for and Adapt to Sea Level Rise”

- The **California Coastal Commission** will have a role working with other agencies because of sea level rise.
- Suggestion to eliminate this Objective and move the content into Objective #3 (Flood Management) and Objective #12 (Protect/Restore Surface/Ground Water Quality)

Objective 8: “Identify and Fund Focused Research on Climate Change and New Water Technology”

- Reluctance to fund new technology that is not well defined
 - o Counter: You don't know what advancements there will be in 3 years, but if you don't invest, you won't get the benefits. An example is the Moon program which led to many unanticipated benefits but was highly uncertain when funding began.
- **Too focused on climate change.** Broaden the technology and research scope beyond climate change. This the Water Plan, which has many complex aspects besides climate change.
- **Merge R&D technology into other Objectives,** rather than as a standalone Objective related to climate change. Groundwater is in serious need of data.
- Suggestion: change to focus research **Climate Change specifically in California.**

Objective 9: “Provide Sustainable Funding for Statewide & Integrated Regional Water and Flood Management”

- **Resistant to more fees** – concern about **equity** on who will pay, who will receive benefits, and who will decide
- This should be part of all Objectives, not an Objective by itself
- **Water is undervalued.** This is a barrier to funding.
- Consider **areas of origin** when considering funding
- When look at sustainable funding, also look at **organizational change** in government systems (federal, state, tribal, local) to support effectiveness. Organizational change is not in the document.
- State's history of collecting money and sending it back out is suboptimal, usually collected for one purpose and spent for others...the advantage of water bonds is we make mistakes one at a time and not for eternity. **Locals not comfortable supporting a sustainable fund giving the State's record so far.**
- Water Plan itself should find funding for projects and Objectives... **Objectiveness without funding are ineffective.**
- **Governance is essential.** Relook at governance structure and regulations before assessing as a sustainable funding policy.

Objective 10: “Reduce Energy Intensity of Water and Wastewater Management Systems”

- Evaluate the **potential of cap and trade** programs
- **Concern about statistics:** 1/3 of state electricity generated from water seems too high, please verify
- Do not call out **wastewater** separately, just refer to **all water**
- Concern about **reducing water quality** for the sake of reducing greenhouse gases
- **Equity:** Look at the full costs of reducing energy, including social costs. Example is geothermal (noise impacts local communities)
- “Energy intensity” not clear, change to “**energy consumption**”

Objective 11: “Practice Sustainable Management of the California Delta Ecosystem and Water Resources and Recognize the Delta as a Unique and Valued Area”

- Too **Delta centric**
- Relevant; but however important the Delta is, putting it as a separate geographically based Objective will **shortchange other geographic areas** in the State
- Some people involved in Delta Vision Stakeholder Coordination Group and Strategic Plan have a problem with the Delta Vision 12 points being by itself. There are good things in here that **should be spread throughout the Water Plan**. For example, DV Actions on Governance and Finance, and Ecosystem, could be moved to a more appropriate place in the overall California Plan and not be Delta-centric.
- **Delta is the hub of California’s water, but the Delta does not make its own water.** The Delta’s water comes from the rest of California.
- Opposite conclusion, Delta deserves its own Objective. Because the **water in the Delta directly affects the lives of 25 million and indirectly affects the other 12 million.** Cannot imagine DWR and Governor putting on a Water Plan without a Delta component. The Delta is the **#1 Pressure Point.**
 - o However, take out “**recognize the Delta** as unique”. **Superfluous.** Already recognized in Western U.S.
- Concern with referencing only one specific Plan for the Delta (DV BRTF). **Multiple actors than need to be considered under each Objective**
- Concern about length and inclusiveness of the list of related actions. Be careful what you say, such as “reduce or remove stressors”... could be interpreted as taking pumps out. Narrow down or expand to include things we really mean (either 3 items too long or 100 items too short).

Objective 12: “Protect and Restore Surface Water and Groundwater Quality”

- Just say “protect and restore water quality” – don’t limit to surface and groundwater

Objective 13: “Increase Tribal Participation and Access to Funding”

- Concern that this objective looks like the work of a committee, not as coordinated as it could be; first paragraph well put... conceptually support but technical deficiencies
 - o Concerned with the use of the term “**California Native American Tribe**” in a novel way (**legal status of CA tribes is blurred** by the term)
 - o For legal reasons, address toward Tribes rather than individuals/communities
 - o Coequal relationship between Tribes and States makes it difficult; no one can fine or sanction
 - o Agree needs a new mechanism or government to government agreement to facilitate better governance

- Historically California has treated all tribes as entities (NAHC keeps a list of all historical tribes, whether or not federally recognized)
 - o Wording in Objective #13 comes more to spirit of California protecting **cultural resources** and respecting **spiritual history**... To diminish or change it or to bring in federal designation, then it might as well be called a federal water plan, but this is California's Water Plan. State of California not dictated to by USBR, DOI.
- SB 18 includes non federally recognized Tribes. To implement Tribal water stewardship, it is important to have access to funding.
- Increasing Tribal participation is something that was expressed back in *Update 2005*, and now Tribes are here in the room.
- Thought about broadening to an EJ Objective, but don't think that works now...

Objective 14: "Prepare Response Plans for Floods, Droughts and Other Catastrophic Events"

- IRWMPs should cater to the specific region's needs. Drought planning may or may not be on top of a region's priorities, given scarcity of grant resources.
- **Do not define it specifically to drought and flood**; just say "Prepare for Catastrophic Events" and leave it open.

New Proposed Objective 15: "Integrate Policies for Land Use and Water Planning & Management"

- This Objective does not address **SB 18**, i.e. protection and identification of tribal lands in county general planning processes
- Tribal plans are not part of State planning
- **Integrate "processes"** rather than "policies". Policies might be going too far.
- **Change "forestry" to "environment"** so Urban, Agriculture, and Environment rather than Urban, Agriculture, and Forestry
- Have actions for reports with data and guidelines on integrating water and land use issues and principles
- Look at potential for new/revised development fees; currently fees do not collect the full cost of water resources
 - o Recognize that local government funds come from growth
- Suggest lowering threshold of the 500 housing unit water requirement law to smaller sized developments

Public Comments:

No members of the public opted to give public comments.

Next Steps, Closing Comments

Kamyar Guivetchi, DWR, expressed his gratitude everyone for their work during the day. He said that he received great feedback and took a lot of notes. He invited the AC and their organizations to submit further written comments through e-mail thru the end of July. DWR will

take all input received to prepare a redraft for the Pre-Administrative Draft. DWR will craft recommendations using input from the Opportunities and Constraints raised during the discussion.

Mr. Guivetchi also invited the AC to attend the Water Plan's Resource Management Strategy Workshops that were taking place in Sacramento during July and August. The workshop schedule is available on the Water Plan website: <http://www.waterplan.water.ca.gov>

Next AC Briefing:

August 27, 2008

9:30-11:30 AM

Center for Collaborative Policy, Sacramento, CA 95811

Conference Number: 1-877-536-5793, passcode: 344390

Online Webinar Link: <https://www1.gotomeeting.com/register/186612010>

Attendance (60):

Advisory Committee Members and Alternates (22):

1. **Ted Allured**, California County Planning Commissioners Association
2. **David Bolland**, Association of California Water Agencies
3. **Merita Callaway**, California State Association of Counties
4. **Evon Chambers**, Planning and Conservation League
5. **Grace Chan**, State Water Contractors
6. **James Crouch**, California Rural Indian Health Board
7. **Elizabeth Gavric**, California Association of Realtors
8. **Jack Hawks**, California Water Association
9. **John Hopkins**, Institute for Ecological Health
10. **Paul Klein**, WaterReUse Association
11. **Steve LaMar**, California Building Industry Association
12. **Kathy Mannion**, Regional Council of Rural Counties
13. **Jim Metropulos**, Sierra Club California
14. **Jonas Minton**, Planning & Conservation League
15. **Gary Mulcahy**, Environmental Justice Coalition for Water
16. **Valerie Nera**, California Chamber of Commerce
17. **Betsy Reifsneider**, Friends of the River
18. **Katie Shulte-Joung**, California Urban Water Conservation Council
19. **Jack Sullivan**, League of Women Voters
20. **Susan Tatayon**, The Nature Conservancy
21. **Iovanka Todt**, Floodplain Management Association
22. **Mike Wade**, California Farm Water Coalition

Others (38):

1. **Steve Archer**, Water Plan Update 2009 Tribal Communications Committee
2. **Donna Begay**, Tubatulabals of Kern Valley
3. **Katie Benouar**, CA Business Transportation and Housing Agency
4. **Lisa Beutler**, CCP
5. **Tito Cervantes**, DWR
6. **Jim Chatigny**, Mountain Counties Water Resources Association
7. **Patty Cook**, ICF Jones & Stokes
8. **Mark Cowin**, DWR
9. **Barbara Cross**, DWR
10. **Steve Cruz**, California Building Industry Association
11. **Paul Dabbs**, DWR
12. **Bill Dubois**, California Farm Bureau
13. **Tom Filler**, DWR
14. **Kamyar Guivetchi**, DWR
15. **Bruce Gwynne**, CA Department of Conservation
16. **Tom Hawkins**, DWR
17. **Barbara Hennigan**, Butte-Sutter Basin Area Groundwater Users
18. **Mark Horne**, PBS&J
19. **Jennifer Kofoid**, DWR
20. **Nick Nonovaloff**, RCRC
21. **Pam Korte**, BTHA
22. **Paula Landis**, DWR
23. **Karl Longley**, Central Valley Water Quality Control Board, CSU Fresno
24. **John Lowrie**, CA Department of Conservation
25. **Ruth Maloney**, Graduate Student, Humboldt State University
26. **Danny Merkley**, Regional Council of Rural Counties
27. **John Mills**, Offices of John S. Mills
28. **Lew Moeller**, DWR
29. **Vickie Newlin**, Butte County Water and Resource Conservation
30. **Michael Perrone**, DWR
31. **Darrin Polhemus**, SWRCB
32. **William Speer, Sr.**, Shasta Indian Nation
33. **Atta Stevenson**, Intertribal Council of California
34. **David Sumi**, CCP
35. **Judie Talbot**, CCP
36. **Ken Trott**, CA Department of Food and Agriculture
37. **Charles Wynne**, Public
38. **Randy Yonemura**, Intertribal Council of California

Facilitation Team: Lisa Beutler, David Sumi, Judie Talbot – Center for Collaborative Policy, CSUS



APPENDIX – WORKSHEETS WITH COMPILED TABLE GROUP COMMENTS

CALIFORNIA WATER PLAN, UPDATE 2009, ADVISORY COMMITTEE MEETING DRAFT OBJECTIVES AND RELATED ACTIONS FOR UPDATE 2009 WORKSHEET 1

YOU WILL HAVE _____ MINUTES TO COMPLETE THIS WORKSHEET

1. As a table group, please review the draft Water Plan Objectives. (The related actions are provided to give a broader understanding of what the Objectives are about.) This discussion applies **ONLY** to the Objectives.
2. On a scale of 1-5 (with 5 being extremely important), how important and/or valuable does your table view this objective in achieving the Water Plan goals? If you disagree about the value or importance, note the range of answers and the average.
3. What would you add, subtract or change about this objective?
4. What remaining questions or issues does your table have related to this objective?
5. There is room at the bottom of the worksheet if your table wishes to add additional objectives for consideration.

(On a scale of 1-5 with 5 as extremely important)

OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
1. Fully Implement Integrated Regional Water Management	5 5 5, with language changes 5 5 if "Fully" removed, 3 if left in	<ul style="list-style-type: none"> - To be considered for funding, assure long term equitable allocation and application of the funds, including low income communities - Funds be equitably distributed, focused on small areas w/ large populations -> Urban and Ag use. Overarching integration between smaller water agencies. Currently a disconnect w/ Environmental communities - Change the title to read: Improve and expand implementation of IRWM through the State - <u>Improved</u> Regional Coordination Through IRWM's Add-in Use of <u>Urban Water Management Plans</u> - Add: Under Related Action 2: Must include effective and real intrusion of EJ entities in participation and funding 	<ul style="list-style-type: none"> - Sub-regional plans need overarching integration so that communities are not left out (e.g. Maywood) - Need to address how to resolve regulatory impediments to the implementation of IRWM - What does "fully implement" mean – define. - "Promote a collaborative process that evaluates water resource management" - What does the word "fully" mean?

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OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
		<ul style="list-style-type: none"> - Start title with “Implement”; remove the word “Fully” - Action 2: Acknowledge Tribal communities within each watershed. - New Action: Require consultation with Tribal communities on EIRs for new development projects. 	<ul style="list-style-type: none"> - Consider removing for changing - Not mandatory at this time
<p>2. Aggressively Increase Water Use Efficiency, Recycling and Reuse</p>	<p>5 5 (good!) 5 5, if term “agg...” removed</p>	<ul style="list-style-type: none"> - Add purple pipe, retrofit on resale, robust landscape regulations WESA, AB 2153 (Krekorian). - Require all new developments have purple pipes - Add to italic description, “...water portfolio” so they must be given authority to implement efficiency measures and be required to track compliance - Change title: “reduce flood risks” by integrating bullets - Add: Placeholder for recycled water policy (see add in #5) currently being drafted – must include salinity considerations - Changes (see Related Actions 4 & 8) - Remove the term “Aggressively”, e.g. efficiency of open ditch for ecosystem and groundwater recharge - Establish incentives for Tribal or disadvantaged communities for education in the local language. 	<ul style="list-style-type: none"> - Currently objective is “weak sauce.” Related actions provide nothing new. - Compliance of then is tracked as a real estate transaction – not as an action by the water purveyor - Replace “integrated flood management” with specific language from Bullet 1 - Adding qualifier “cost effective” to conservation may be a disincentive to adopt conservation practices - Words such as “fully,” “aggressively”, etc. need to be removed - Need to reflect regional realities
<p>3. Promote and Practice Integrated Flood Management</p>	<p>3-5 5 5</p>	<ul style="list-style-type: none"> - Importance of groundwater recharge and conjunctive use. - Related Action #5 is a bad idea. #5 conflicts with #3 - Add to 2nd bullet: “agency boundaries <u>at watershed scale</u>” - Connect to Delta and Delta Vision Processes - Include bullet: re: Institutional Boundaries - Establish incentives for Tribal or disadvantaged communities to 	<ul style="list-style-type: none"> - Objective doesn’t seem to have much to do with water management. - Does flood management include upper watershed (e.g. from “ridges to ravines”)? - Include discussion of alluvial fans and coastl flooding - Re-title: incorporate ecosystem

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OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
		<p>prevent or mitigate impacts from changing reservoir levels that flood cultural areas or expose previously flooded cultural areas.</p>	<p>restoration and maintenance at natural processes in water management decisions.</p> <ul style="list-style-type: none"> - #3 must be pushed (to #5) - Must integrate with stormwater management
<p>4. Promote and Practice Ecosystem Stewardship and Sustainability</p>	<p>5 5 3.5 5 5 w/ integration</p>	<ul style="list-style-type: none"> - Need metrics from fish and water dependent birds (see Delta Vision #'s) - Resilience is very important - Add "watershed scale" to description - Connect to Delta and Delta Vision process - Consider overlap with objectives #39 and #11 - Restoration of native plants. Tribes should lead projects, especially restoration and fire suppression projects. - Integrate ecosystem stewardship and sustainability with water resources management. 	<ul style="list-style-type: none"> - Water agencies have not been doing this – but <u>should</u> already be doing this aggressively - Already mandated action, however currently water not managed to reflect this action - Incorporate ecosystem restoration and maintenance of natural processes in water management decisions. - Appears with water resources management

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OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
5. Improve and Expand Conjunctive Management of Surface and Groundwater Storage	4 5 4 5 1 (currently)	<ul style="list-style-type: none"> - Delete Related Action #1. Are there solutions where you could use current reservoirs? Look at existing storage for synergies. - State regulates groundwater like it does surface water. (note – Resources Agency staff members at table remain neutral!) - There's no action that connects conjunctive use of reservoirs and groundwater (e.g. Use floodplains for flood storage). <ul style="list-style-type: none"> o Combine/integrate Objectives 3 and 5? - Water Board must exercise its authority to ensure reasonable and beneficial use and the public trust doctrine; - None - eliminate long term G.W. overdraft - Add that much of the groundwater in the state are property rights and are not regulation (although some are adjudicated) - Add emphasis for ASR (Aquifer Storage & Recovery) to 2, 3, 5 - Should be tied to #12 or combined - Improve and expand conjunctive water management opportunities. <p>Require input from Tribal and EJ communities on locating and managing storage facilities</p>	<ul style="list-style-type: none"> - Combine Objective #3 and #5 - Key term is “conjunctive management”. - Does this include use of recycled water? - Present language/text; needs to better define what conjunctive use is. Items needed to be reworked.
6. Improve and Expand Monitoring, Data Management and Analysis	4 3 5+ to 5- 5	<ul style="list-style-type: none"> - Add CIMIS action (real-time irrigation control technology) - Add groundwater monitoring - Change title to: “Improve and Expand Monitoring, Management, Analysis, and <u>Sharing of Data</u>” - Focus should be specifically connected to climate change analysis - OK - Increase access to data by Tribal – regional entities to local data, so that they can write their own water plans. Provide technical assistance for analysis. 	<ul style="list-style-type: none"> - Description needs to address more than climate change. - Timely collection and availability is important – within <u>2 years</u> - Need to better integrate data - Critical need for funding (see #9) - Being taken care of by SWAN

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OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
7. Plan for and Adapt to Sea Level Rise	5+ 4 5	<ul style="list-style-type: none"> - Plan for mass migrations of people and wildlife - Restore land regeneration of the Delta - Delete and move into #39 and #12 - Remove and make it a sub-objective of Objective #8 <p>Map impacts on sensitive habitat; including vegetation changes and die-offs.</p>	<ul style="list-style-type: none"> - Acknowledge range of coastal issues, including flooding, hydrologic changes, infrastructure, and ecosystem - Add more emphasis on supply impacts, especially coastal communities and delta - Add habitat restoration
8. Identify and Fund Focused Research on Climate Change and New Water Technology	4 3 4 5 5, with changes	<ul style="list-style-type: none"> - Mitigate and adapt to climate change; don't just research it - Combine objectives 7 and 8 - "Sustained data research in order to..." - Broaden language to reflect wider range of water management issues - Combine #7, #8, and use #8 as <u>one Objective on Climate Change</u>, and connect to threat to Water Quality (Delta) - Add: The questions needed to be answered such as habitat restoration, water quality, water supply - Remove "New Water Technology" unless better defined - Move to new Objective #17 (2 people said) - Changes in the hydrologic cycle and hydromodifications have impacts on climate (e.g. reservoirs impact air and water temperature). 	<ul style="list-style-type: none"> - Currently, objective is "<u>really</u> weak sauce" - Title: "Quantify the ongoing impacts of climate change on water resources in California." - Issues about 20% flood peaks and 20% more frequent/drier - 20% does not fit across all regions

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OBJECTIVE	RATING	CHANGES, ADDITIONS, SUBTRACTIONS	QUESTIONS, ISSUES
9. Provide Sustainable Funding for Statewide & Integrated Regional Water and Flood Management	5 5 5++ 1 as written, 3 if amended	<ul style="list-style-type: none"> - Water Plan should provide specific recommendations for funding - Develop a water finance plan and budget - Change title: "Assess and provide sustainable funding for implementation of all elements of the Water Plan" - Delete and incorporate into #1 and #3 for Funding Aspects - Add: This one drives every other objective - Add: Use of taxes to provide funding - Change to "<u>Encourage</u>' sustainable funding for statewide and integrated regional water and flood management." - Expand to include Tribal communities 	<ul style="list-style-type: none"> - Should include budget to implement Plan and mechanisms to do it - DWR <u>must</u> develop budget and priorities for a water finance plan - Water Plan itself should finding/facilitative funding for objectives/projects... without funding is ineffective - Revised description to change to implementation - Affordability of water: especially for small rural communities – costs are high for these communities but they cannot afford these costs - Take out "<u>provide</u>" and use "<u>encourage</u>" - 3 people also want to remove the word "<u>sustainable</u>"

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<p>10. Reduce Energy Intensity of Water and Wastewater Management Systems</p>	<p>3 4 3 5 5 if amended</p>	<ul style="list-style-type: none"> - How will water agencies be involved in “cap and trade” systems proposed by the AB 32 Scoping Plan? - Evaluate role in potential cap and trade programs - Evaluate retrofit opportunities - Change title: “Reduce Energy Intensity in <u>All Aspects</u> of water resource management systems (includes broader range of fields). - This is linked to #15 (potential to promote sprawl) - Change to reduce energy “<u>consumption</u>” instead of “intensity”. Move Item #7 from Objective #8 (“The Energy Commission through its PIER Program will invest...”) to this Objective #10. - Consider full range of impacts when evaluating costs and benefits when looking at energy alternatives (e.g. geothermal plants generate constant sound) 	<ul style="list-style-type: none"> - Where did the phrase “1/3 of State’s electricity” is generated by water come from? - Last sentence – water use efficiency may reduce per capita use, but not total demand due to population growth - Aging infrastructure of collection systems means wastewater is greater due to infiltration, there more pumping and increased energy cost
<p>11. Practice Sustainable Management of the California Delta Ecosystem and Water Resources and Recognize the Delta as a Unique and Valued Area</p>	<p>5* *when included in each objective 5 5 5 if amended</p>	<ul style="list-style-type: none"> - Capture more of Delta Vision Strategic Plan - Specify water quality (our group got bogged down on how to mesh Delta Vision with Water Plan Update) - Put the Delta into all other Objectives --- but not call out as a single geographically-based objective - Remove “and Recognize the Delta...” Redundant, Delta is already recognized. - Change title: “Implement a Plan to achieve the co-equal objectives of restoring the Delta ecosystem and insuring a reliable water supply for California.” - Remove the last part about the Delta’s uniqueness: Practice Sustainable Management of the of the California Delta Ecosystem and Water Resources and Recognize the Delta as a Unique and Valued Area - Historical populations of fisheries up to Dutch Creek and Cache Creek 	<ul style="list-style-type: none"> - Are there parts in Delta Vision plans we can incorporate into the Water Plan? - Objective 11 takes Delta Vision out of context and doesn’t do justice to it - Incredibly important, but not sure what part of Delta Vision to include - The 12 Related Actions can be dispersed and inserted into other Objectives - What components of DV are appropriate for the Water Plan? - Every place is special, not just the Delta.

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<p>12. Protect and Restore Surface Water and Groundwater Quality</p>	<p>4 5 5</p>	<p>REGIONAL: - OK</p>	<ul style="list-style-type: none"> - The focus should change from the State Board's plan to the "Water Plan's" approach to protect and restore water quality, with a watershed approach - Should 12 and 5 be combined? - Promote Tribal management of, and, interaction with, IRWM on groundwater uses and quality.
<p>13. Increase Tribal Participation and Access to Funding</p>	<p>4 4 5 if amended</p>	<ul style="list-style-type: none"> - Promote and facilitation Tribal Participation in the California Water Plan - Add, "...and for all other disadvantaged communities." - "Make sure that all EJ groups are adequately represented and their needs addressed." - Add: Need specific action on access to funding – restructuring the law to allow access to federally recognized tribes. <ul style="list-style-type: none"> o Sovereign status <ul style="list-style-type: none"> ▪ Public law 280 as an example of how - Add "Increase funding for tribal participation in planning processes" - Change title to: "Implement Tribal water stewardship and strategies and improve access to funding." 	<ul style="list-style-type: none"> - Too focused on Tribes - Expand to encompass all EJ needs - Not sure what is to be funded, needs to be better defined
<p>14. Prepare Response Plans for Floods, Droughts and Other Catastrophic Events</p>	<p>3 5 5 if amended</p>	<ul style="list-style-type: none"> - Remove Floods – covered in Objective #3 - Break into <u>two</u> Objectives: 1) Drought, 2) Catastrophic Events - See Charlie Wynee for Additional Clarification if needed: "Prepare Response Plans for Floods, Droughts and Other Catastrophic Events." Simplify to Prepare for catastrophic events. 	<ul style="list-style-type: none"> - "Prepare and coordinate _____ water resources"

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<p>15. <u>Proposal</u> – Integrate Policies for Land Use and Water Planning & Management</p>	<p>5 5</p>	<ul style="list-style-type: none"> - Subtract: Urban #3 – is code for reducing water quality in the name of GHG <ul style="list-style-type: none"> o Consider water usage with GHG - New development feeds do not collect full cost of the impact of development on communities 	<ul style="list-style-type: none"> - Affordability of water – especially for rural communities (see comment in #9) - If there is a prioritization this one should be near the top - Water Quality needs to be included in Forest Management - Placeholder is good. Examples need to be reworked to be better thought out. - County general plans must discuss Tribal cultural uses.
<p>16. - “Assure safe and adequate drinking water for all Californians”</p>			<ul style="list-style-type: none"> - “Thirsty for Justice” has excellent information
<p>17. - “Identify, fund, and focus research on new water technologies”</p>		<ul style="list-style-type: none"> - Include bullet item #6 from Objective #8 “State government will invest \$XXXX per year in pilot projects to help local agencies and governments and regional partnerships implement promising water technologies more cost effectively with knowledge and experience specific to each region” 	
<p>18. Separate drought objective</p>		<ul style="list-style-type: none"> - “State to provide a roadmap on systematic methods and approach to drought management” 	



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CALIFORNIA WATER PLAN, UPDATE 2009, ADVISORY COMMITTEE MEETING
DRAFT OBJECTIVES AND RELATED ACTIONS FOR UPDATE 2009
WORKSHEET 2

YOU WILL HAVE _____ MINUTES TO COMPLETE THIS WORKSHEET

1. As a table group, please review the draft Water Plan Objectives and related actions
2. What are the barriers to achieving this objective?
3. What opportunities exist to really leverage or move the objective forward?
4. What strategies should be considered to overcome barriers or leverage opportunities
5. There is room at the bottom of the worksheet if your table wishes to add additional objectives for consideration.

The facilitator will advise you when you have around 15 minutes left. Please prepare a report to share with the other groups. You will be reporting on both Worksheet 1 and Worksheet 2. We will report back one objective at a time before moving to the next objective. Please mark your flip charts with the objective number being discussed.

OBJECTIVE	BARRIERS	OPPORTUNITIES	STRATEGIES TO LEVERAGE AND/OR MITIGATE
1. Fully Implement Integrated Regional Water Management	<ul style="list-style-type: none"> - Regulatory and policy conflicts that impede IRWM - Sustainable funding - Lack of clear definitions/guidance 	<ul style="list-style-type: none"> - Involve all aspects of communities (EJ) - Acknowledge conflicts in regions and seek solutions 	<ul style="list-style-type: none"> - Make funding contingent on adequate plans
2. Aggressively Increase Water Use Efficiency, Recycling and Reuse	<ul style="list-style-type: none"> - Lack of public understanding - Lack of tracking and enforcement - Reluctance of Agriculture to participate 		<ul style="list-style-type: none"> - Evaluate corollary benefits of Ag (e.g. rice as habitat)
3. Promote and Practice Integrated	<ul style="list-style-type: none"> - Land use practices – location of development 	<ul style="list-style-type: none"> - Multiple benefits – water quality, recreation 	<ul style="list-style-type: none"> - Multiple benefits – water quality, recreation

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OBJECTIVE	BARRIERS	OPPORTUNITIES	STRATEGIES TO LEVERAGE AND/OR MITIGATE
Flood Management	<ul style="list-style-type: none"> - Reluctance of stream adjacent landowners - Funding 	<ul style="list-style-type: none"> - Non structural approaches 	<ul style="list-style-type: none"> - Non structural approaches
4. Promote and Practice Ecosystem Stewardship and Sustainability	<ul style="list-style-type: none"> - Funding - Permits and environmental compliance 	<ul style="list-style-type: none"> - Link with groundwater recharge - Enhance quality of life in urban areas 	<ul style="list-style-type: none"> - Make element of integrated flood management - Leverage different funding to create ecosystem benefits
5. Improve and Expand Conjunctive Management of Surface and Groundwater Storage	<ul style="list-style-type: none"> - Lack of groundwater info (quality and quantity) - Lack of regulatory framework 	<ul style="list-style-type: none"> - Nonstructural solutions (stormwater) 	<ul style="list-style-type: none"> - Legislation - Centralized/standardized reporting
6. Improve and Expand Monitoring, Data Management and Analysis			
7. Plan for and Adapt to Sea Level Rise	<ul style="list-style-type: none"> - Lack of official planning assumptions - Not perceived as immediate threat 		
8. Identify and Fund Focused Research on Climate Change and New Water Technology			

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OBJECTIVE	BARRIERS	OPPORTUNITIES	STRATEGIES TO LEVERAGE AND/OR MITIGATE
9. Provide Sustainable Funding for Statewide & Integrated Regional Water and Flood Management	<ul style="list-style-type: none"> - Statewide budget mess - Prop 218 requirements - Prop 218 - Water is undervalued (i.e., assumed to be free) 	<ul style="list-style-type: none"> - During drought – educated public and use opportunity to get funding - Beneficiary pays – population should pay for where the water comes 	<ul style="list-style-type: none"> - Price water based upon value of use and impact to society
10. Reduce Energy Intensity of Water and Wastewater Management Systems		<ul style="list-style-type: none"> - Explore options for regional self-sufficiency (e.g. desalination instead of distant water conveyance) 	
11. Practice Sustainable Management of the California Delta Ecosystem and Water Resources and Recognize the Delta as a Unique and Valued Area			
12. Protect and Restore Surface Water and Groundwater Quality	<ul style="list-style-type: none"> - Data – sharing/validation, access 	<ul style="list-style-type: none"> - Develop statewide watershed program 	
13. Increase Tribal Participation and Access to Funding			

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OBJECTIVE	BARRIERS	OPPORTUNITIES	STRATEGIES TO LEVERAGE AND/OR MITIGATE
14. Prepare Response Plans for Floods, Droughts and Other Catastrophic Events			
15. <u>Place holder</u> – Integrate Policies for Land Use and Water Planning & Management	<ul style="list-style-type: none"> - Political - Local government – funding comes from growth (Prop 13) - Existing investments in misplaced infrastructure 	<ul style="list-style-type: none"> - Create a statewide sales tax reallocation mechanism to redistribute based on population - Water Code that requires 500-unit developments to identify water for next 100 years... make the law kick in at 10 units development, and change to permanently sustainable 	