



Proposed Content for *California Water Plan Update 2013*



Prepared for:
Water Plan Update 2013 Kick-off Meeting

Prepared by:
Multi-Agency Water Plan Update Team

July 7, 2010



Water Plan Update 2013 *Presentation Overview*

(1) Scoping Process

(2) Planned Content For Water Plan Update 2013

(3) Update 2013 Project Management



Indicates corresponding workbook page

Water Plan Update 2013

Scoping Process

Scoping Coordination and Considerations

- Plenary meeting (*October 2009*)
- Update 2009 Advisory Committee Meeting (*January 2010*)
- Five Steering Committee meetings
- Water Plan Project Team meeting (*March 2010*)
- Twelve Work Team Lead Meetings
- “Parking Lot” of issues carried over from Update 2005 process
- Tribal Water Summit proceedings
- Update 2009 Steering Committee *Issues and Initiatives Summary*
- Current scope of Water Plan Update process
- Feasibility within Update 2013
- **Feedback from today’s public meeting**

Water Plan Update 2013

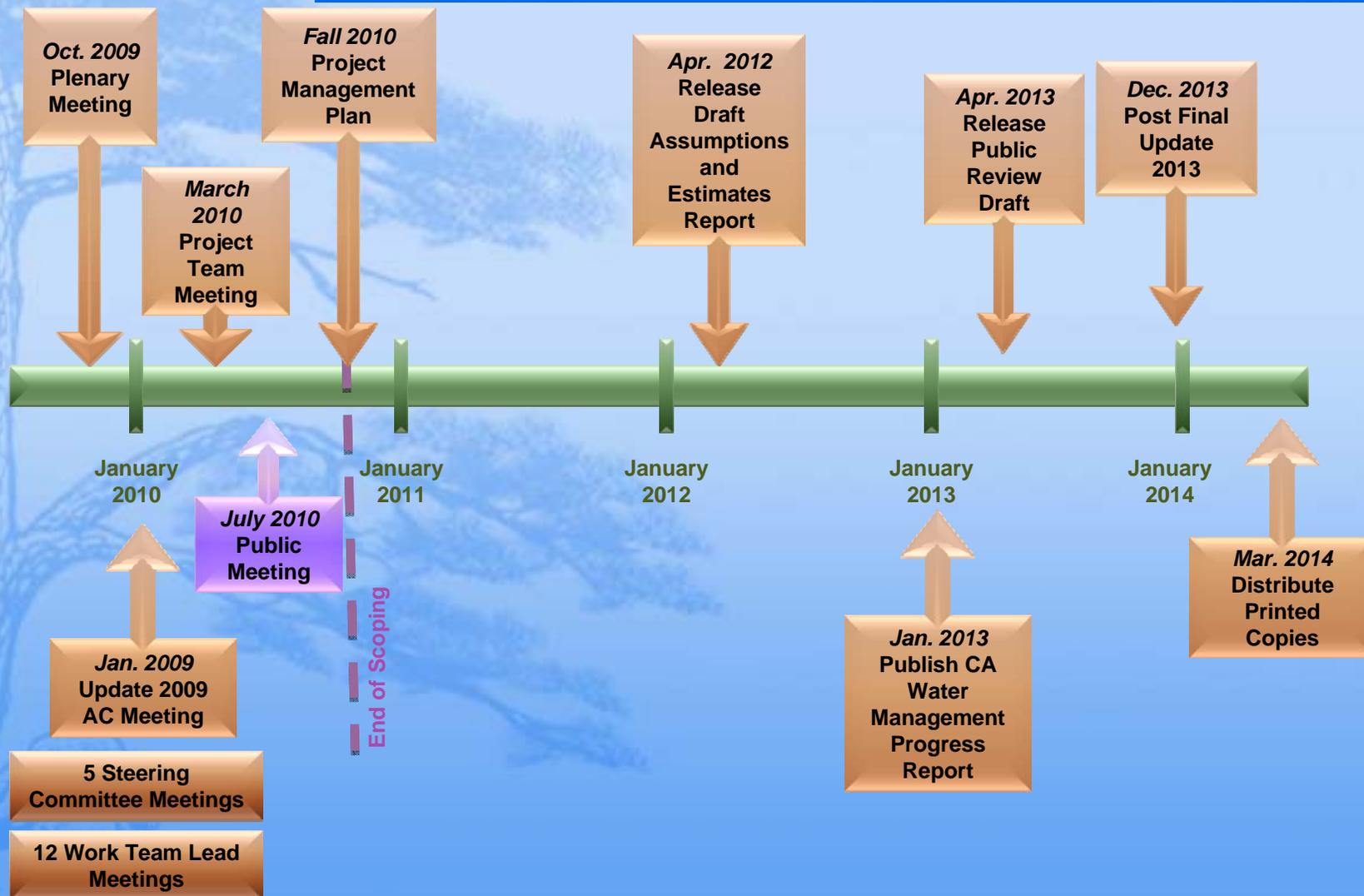
Scoping Process

Scoping Components (*Content and Process*)

- Elements to be carried over from Update 2009
- Potential Enhancements to Update 2013
- Project Management Planning
- Collaboration process to support desired outcome (*Next Agenda Item*)

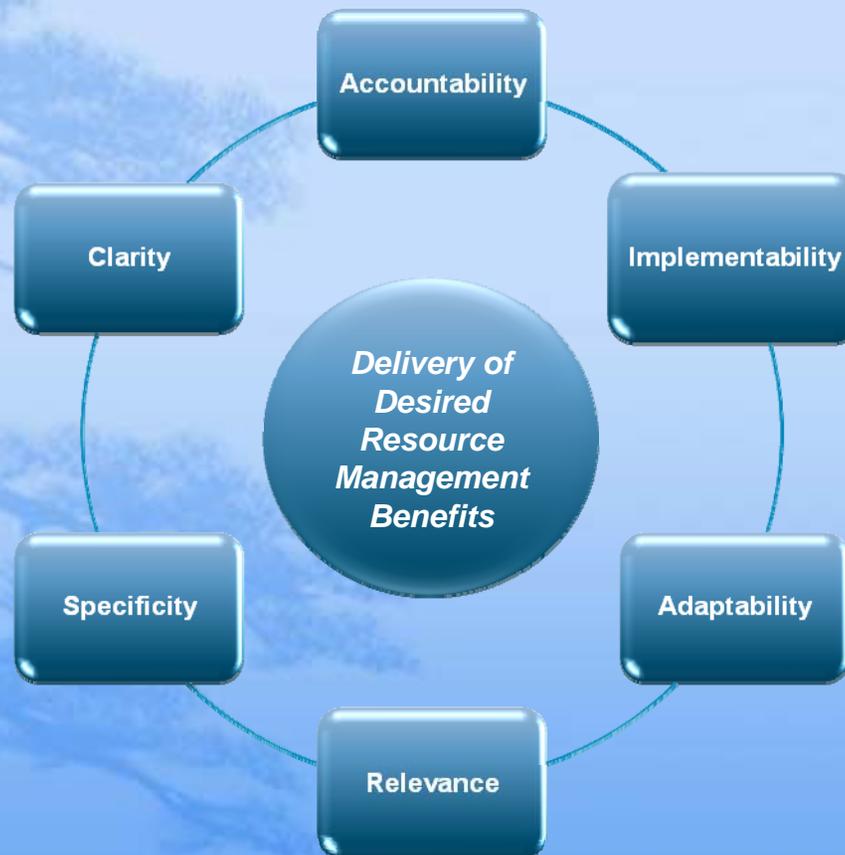
Water Plan Update 2013

Timeline and Major Deliverables



Water Plan Update 2013

Improvement Themes





Water Plan Update 2013

Foundational Components

Foundational Components

Foundational Component – An Update 2009 feature with sufficient value to retain for Update 2013.

Content*

- Strategic Plan
- Water Balances and Portfolios
- Regional Reports
- Future Scenarios
- Resource Management Strategies
- Companion State Plans
- Reference Guide
- Technical Guide
- Assumptions and Estimates Report

Process**

- Public Advisory Committee
- State Steering Committee
- Regional Outreach and Coordination
- Work Team Matrix
- Tribal Outreach and Coordination
- Statewide Water Analysis Network
- Plenary Meetings

Water Plan Update 2013

Strategic Plan Purpose, Goals, Core Values

California Water Plan Update 2009 | Highlights

Integrated Water Management

California Vision 2050: *The Desired Future for Water*

Update 2009 sets us on a strategic path to managing our water resources in a way that provides reliable and clean water supplies for all beneficial uses today and for generations.



Vision & Mission

Goals

Guiding Principles

Objectives & Actions

Recommendations

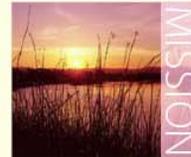
Desired future for California water

California has healthy watersheds and integrated, reliable and secure water resources and management systems that

- enhance public health, safety, and quality of life in all its communities;
- sustain economic growth, business vitality, and agricultural productivity; and
- protect and restore California's unique biological diversity, ecological values, and cultural heritage.

Desired outcomes over the planning horizon 2050

1. California has water supplies that are adequate, reliable, secure, affordable, sustainable, and of suitable quality for beneficial uses to protect, preserve, and enhance watersheds, communities, and environmental and agricultural resources.
2. State government supports integrated water resources planning and management through leadership, oversight, and public funding.
3. Regional and interregional partnerships play a pivotal role in California water resources planning, water management for sustainable water use and resources, and increasing regional self-sufficiency.
4. Water resource and land use planners make informed and collaborative decisions and implement integrated actions to increase water supply reliability, use water more efficiently, protect water quality, improve flood protection, promote environmental stewardship, and ensure environmental justice in light of drivers of change and catastrophic events.
5. California is prepared for climate uncertainty by developing adaptation strategies and investing in a diverse set of actions that reduce the risk and consequences posed by climate change, that make the system more resilient to change, and that increase the sustainability of water and flood management systems and the ecosystems they depend on.
6. Integrated flood management, as a part of integrated water management increases flood protection, improves preparedness and emergency response, enhances floodplain ecosystems, and promotes sustainable flood management systems.
7. The benefits and consequences of water decisions and access to state government resources are equitable across all communities.



Purpose of the Water Plan

Updating the California Water Plan provides state, federal, Tribal, regional, and local governments and organizations a continuous strategic planning forum to collaboratively:

- Recommend strategic goals, objectives, and near-term and long-term actions that would conserve, manage, develop, and sustain California's watersheds, water resources, and management systems;
- Prepare response plans for floods, droughts, and catastrophic events that would threaten water resources and management systems, the environment, property, and the health, welfare and livelihood of the people of California; and
- Evaluate current and future watershed and water conditions, challenges, and opportunities.

Core values and philosophies / How to make decisions

1. Use a broad, stakeholder-based, long-view perspective for water management.
2. Promote management for sustainable resources on a watershed basis.
3. Increase regional drought and flood preparedness.
4. Increase regional self-sufficiency.
5. Promote regional coordination and collaboration among local governments and agencies, public and private organizations, and Tribal governments and Tribal communities.
6. Determine values for economic, environmental, and social benefits, costs, and tradeoffs to base investment decisions on sustainability indicators.
7. Incorporate future variability, uncertainties, and risk in the decision-making process.
8. Apply California's water rights laws, including the longstanding constitutional principles of reasonable use and public trust, as the foundation for public policy-making, planning, and management decisions on California water resources.
9. Promote environmental justice - the fair treatment of people of all races, cultures, and incomes.
10. Use science, best data, and local and indigenous peoples' knowledge in a transparent and documented process.



Read more about the Water Plan's strategic plan elements in Volume 1 Chapter 2 Imperative to Act

Water Plan Update 2013

Strategic Plan Objectives

Implementation Plan: An Urgent Roadmap

Update 2009: implementation plan has 13 objectives that will help us achieve the Water Plan goals. Meeting these objectives, and planning and investing in their 110 related actions, will help California deal with a changing climate and other uncertainties and risks, and provide more adaptive and resilient ecosystems and more sustainable water and flood systems.



Numbering of elements in this strategic plan is for ease of reference and does not represent priority

Statements of intent / What and when

- 1. Expand Integrated Regional Water Management**
Promote, improve, and expand integrated regional water management to create and build on partnerships that are essential for California water resources planning, sustainable watershed and floodplain management, and increasing regional self-sufficiency.
- 2. Use and Reuse Water More Efficiently**
Use water more efficiently with significantly greater water conservation, recycling, and reuse to help meet future water demands and adapt to climate change.
- 3. Expand Conjunctive Management of Multiple Supplies**
Advance and expand conjunctive management of multiple water supply sources with surface water and groundwater storage to prepare for future droughts, floods, and climate change.
- 4. Protect Surface Water and Groundwater Quality**
Protect and restore surface water and groundwater quality to safeguard public and environmental health and secure California's water supplies for their beneficial uses.
- 5. Expand Environmental Stewardship**
Practice, promote, improve, and expand environmental stewardship to protect and enhance the environment by improving watershed, floodplain, and instream functions and to sustain water and flood management systems.
- 6. Practice Integrated Flood Management**
Promote and practice integrated flood management to provide multiple benefits including better emergency preparedness and response, higher flood protection, more sustainable flood and water management systems, and enhanced floodplain ecosystems.
- 7. Manage a Sustainable California Delta**
Promote and practice management for a sustainable California Delta by setting as co-equal goals a healthy Delta ecosystem and a reliable water supply for California and by recognizing the Delta as a unique and valued community and ecosystem.
- 8. Prepare Prevention, Response, and Recovery Plans**
Prepare prevention, response, and recovery plans for floods, droughts, and catastrophic events to help residents and communities, particularly disadvantaged communities, make decisions that reduce the consequences and recovery time of these events when they occur.
- 9. Reduce Energy Consumption of Water Systems and Uses**
Reduce the energy consumption of water and wastewater management systems and uses to mitigate greenhouse gas emissions. (water-related strategies in AB 32 Scoping Plan)
- 10. Improve Data & Analysis for Decision-making**
Improve and expand monitoring, data management, and analysis to support decision-making in light of uncertainties that support integrated regional water management and flood and water resources management systems.
- 11. Invest in New Water Technology**
Identify and fund applied research on new water technology to help carry out water programs and better manage water systems.
- 12. Improve Tribal Water and Natural Resources**
Develop Tribal consultation, collaboration, and access to funding for water programs and projects to better sustain Tribal water and natural resources.
- 13. Ensure Equitable Distribution of Benefits**
Provide safe drinking water and wastewater treatment to all California communities. Increase the participation of small and disadvantaged communities in state government processes and programs to achieve fair and equitable distribution of benefits, to consider mitigation of impacts from the implementation of state government programs and policies, and to ensure that these programs and policies address the most critical public health threats in disadvantaged communities.



Find details of the Water Plan's objectives and related actions in Volume 1 Chapter 7 Implementation Plan

Water Plan Update 2013

Strategic Plan

Purpose:

Provide defensible and actionable decision support through consensus-seeking based on best available information

Potential Expansion:

All improvements and enhancements support purpose

Water Plan Update 2013

Regional Reports

Purpose:

- (1) Make regional reports more central to the Water Plan;
- (2) Support both regional and statewide resource management objectives/values

Planned Expansion :

Recommend implementation of resource management strategies with increased specificity and regional emphasis



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Resource Management Strategies

Purpose:

- (1) Make reported benefits additive across RMS'
- (2) Couple scenarios with response packages to assess trade-offs
- (3) Report trade-offs in terms of evaluation criteria

Potential Expansion:

Work through SWAN to implement Shared Vision Planning and analytical tool improvements to capture interrelationships of various RMS' and demand/supply relationships

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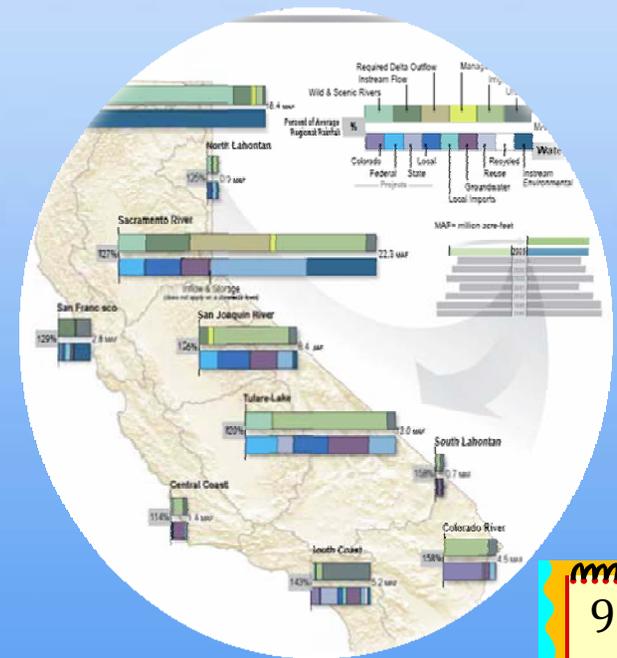
Water Balances and Portfolios

Purpose:

Ensure data (and metadata) timeliness and continuity

Planned Expansion:

Complete balances through 2010; maintain 3-year (maximum) lag time



Water Plan Update 2013

Companion State Plans

Purpose:

Increase consistency and efficiency among many State agencies and initiatives

Potential Expansion:

Expand Companion State Planning feature



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Reference and Technical Guides

Purpose:

Increase transparency through data sharing and source referencing

Potential Expansion:

Update and release Reference and Technical Guides with “drill down” features; potentially involving Water Planning Information Exchange (Water PIE)



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Assumptions and Estimates Report

Purpose:

Increase accountability by publically previewing data and assumptions

Potential Expansion:

Update and release Assumptions and Estimates Report one year prior to Public Review Draft



Group Activity

Please provide suggestions for implementation of the expansions?

Water Plan Update 2013 *Proposed Enhancements*



Water Plan Update 2013

Proposed Enhancements

PROPOSED CONTENT ENHANCEMENTS FOR UPDATE 2013



Water Resources

- A. Expand water quality discussions
- B. Continue integration of flood and water planning
- C. Expand groundwater discussion
- D. Include near-coastal ecosystems and issues

Regional Planning

- E. Expand discussion on linkages between land use and water management
- F. Incorporate Urban Water Management Plans into regional reports and plans
- G. Create an Economic and Financial Planning work team



Collaboration

- H. Clarify and refine State leadership
- I. Increase and coordinate involvement of federal agencies
- J. Continue to work with Tribes and refine Tribal involvement

Data, Metrics and Analysis

- K. Improve data management and sharing
- L. Enhance inter-disciplinary collaboration of technical analysis
- M. Develop new evaluation metrics and sustainability indicators
- N. Develop California Water Management progress report



Adaptive Management

- O. Revisit concept of environmental water
- P. Implement a "Living Document" approach
- Q. Incorporate shorter planning horizon(s)
- R. Identify and remove outdated codes and laws

Instruction for worksheets on following pages:

Select three enhancements that are most important to you and answer the following:

1. What issues or considerations are most important for a particular enhancement?
2. What resources or references can inform a given enhancement?

YOU WILL HAVE ____ MINUTES TO COMPLETE THIS SECTION.

Proposed Enhancements



Water Resources

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Proposed Enhancements



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Proposed Enhancements

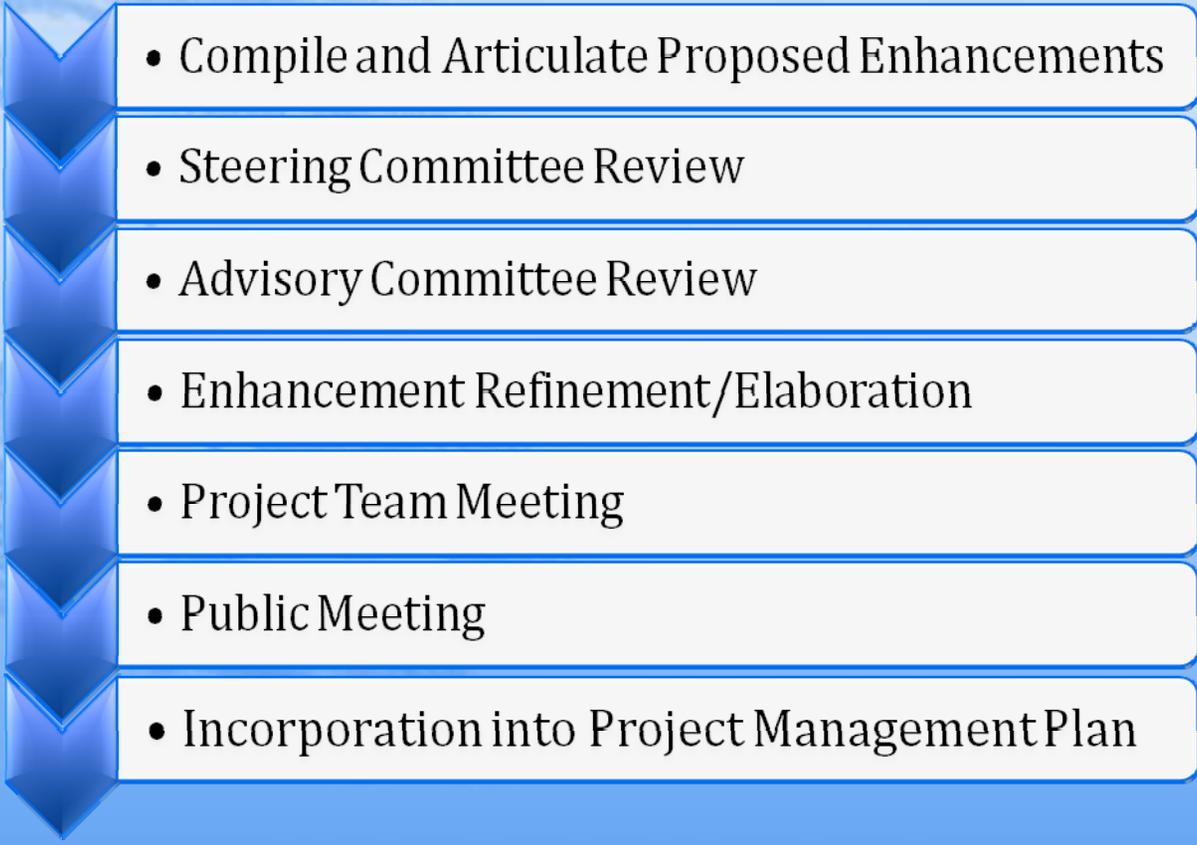


Adaptive Management

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Enhancement Incorporation Process

- 
- Compile and Articulate Proposed Enhancements
 - Steering Committee Review
 - Advisory Committee Review
 - Enhancement Refinement/Elaboration
 - Project Team Meeting
 - Public Meeting
 - Incorporation into Project Management Plan

Market Place Group Activity

For the enhancements most important to you:

(1) What issues or considerations should we keep in mind as we work on this enhancement?

(2) What resources or references can you suggest that informs the work on this enhancement?

Water Plan Update 2013

Enhancement Incorporation Process

- 
- Compile and Articulate Proposed Enhancements
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 - Incorporation into **Project Management Plan**



Delivering Update 2013 *Project Management Plan*

Water Plan Update 2013 Project Management Plan

Update 2013 Enhancement Concepts



Water Plan Update 2013

Content Schedule and Major Milestones

| 2010 | 2011 | 2012 | 2013 | 2014 |
|---|--|---|--|---|
| <p>May 2010 Finalize Update 2013 Steering Committee Charter</p> <p>September 2010 Complete Project Management Plan</p> <p>October 2010 Form Update 2013 Advisory Committee</p> | <p>Spring - Summer 2011 Revise Project Management Plan per new administration</p> | <p>April 2012 Release Draft Assumptions and Estimates Report</p> | <p>January 2013 Publish CA Water Management Progress Report</p> <p>April 2013 Release Public Draft</p> <p>August 2013</p> <ul style="list-style-type: none"> • Final water portfolios • Finalize Resource Management Strategies • Complete Regional Reports <p>October 2013 Administrative Draft for Executive Review</p> <p>December 2013 Release Final CWP Update 2013 on Internet</p> | <p>March 2014 Distribute printed copies of Update 2013</p> |
| <p>Scoping</p> | | | | |
| <p>Content Development</p> | | | | |
| | | | <p>Refinement</p> | |
| | | | | <p>Release</p> |

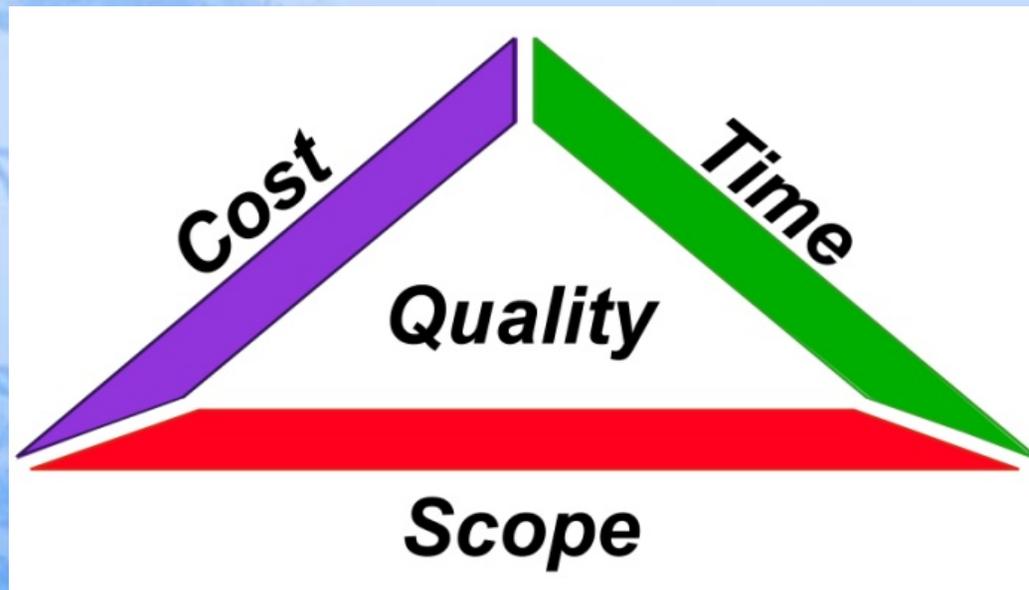
Water Plan Update 2013 Work Teams

- Integrated Flood Planning
- Water Supply and Balances
- Ecosystem Planning
- Land and Water Use Quantification
- Land Use Planning
- Water Quality
- Regional Reports
- Publications
- Resource Management Strategies
- Economic and Finance
- Statewide Water Analysis Network
- IRWM/Regional Coordination
- Legislative and Legal Review
- CA Water Management Progress Reporting
- Communication and Outreach
- Tribal Integration
- Climate Change Adaptation
- Groundwater

Water Plan Update 2013

Project Management Plan

Triple Constraint Project Management



Next Steps

Project Management Plan Development



**Final Project Management Plan
September 2010**

Next Steps

Public Engagement Opportunities

Please submit comments on today's materials by July 30th to:

cwpc@water.ca.gov