

PROJECT INITIATION

Date: 8-1-2011

Project Details

Existing Problem/Need/Opportunity: *Does something need to be fixed? Updated? Created? Expanded? Helped?*

California Water Plan Update 2013 requires expanded climate change content and information from the 2009 Update, to advance numerous Department-wide goals in water resource management and planning.

Solution: *How will this project fulfill the above?*

This project will act to coordinate climate change incorporation into California Water Plan Update 2013. Current developments in climate science and research can provide guidance for projecting likely ranges of temperatures and precipitation changes by region. Responding to these hydrologic changes and reducing their impact are known as adaptation strategies. Reducing GHG (Greenhouse Gas) impacts by reducing energy consumption are known as mitigation strategies. Many adaptation and mitigation strategies are conducted at the regional level, so CWP update 2013 will include climate change in the regional reports, based on appropriate hydrologic impact, as well as statewide strategies in the broader document. Strategies and vulnerabilities to climate change will also appear in the Resource Management Strategies. This project will also be tasked with technical assistance to the Statewide Water Analysis Network choice of scenarios related to climate change impacts.

These four approaches to incorporating climate change into CWP 2013 will improve upon the initial steps taken in CWP 2009 to include responses to climate change.

Project Objective Statement: *What will the project do? What does it look like?*

Provide expanded climate change content, data, and regionally specific climate change information and guidance into Update 2013, advancing the initial climate change content included in Update 2009. Specific advancements include regionally appropriate and statewide adaptation and mitigation strategies, resource management strategies, and climate change scenarios decision support.

Target Start Date: 2011

Target End Date: December, 2013

Proposed Project Manager(s): Elissa Lynn

Proposed Project Sponsor(s): Kamyar Guivetchi, Paul Massera, Lew Moeller, Rich Juricich, John Andrew

Authorization: *Specify if there is a mandated reason for project (e.g. Legislative; executive; water code, other).*

WATER CODE SECTION 10004-10013

Partners

Within DWR: California Water Plan Work Teams, Climate Change Staff

Other State Agencies: Only for reference, in so far as other agency's climate change reports inform CWP

Federal Agencies:

Local Organizations:

Benefits and Consequences

Project is completed:

Inclusion of climate change into the planning process meets all five of the Department's strategic objectives; sustainability and integrated water management are key strategies for adjusting to supply and demand impacts from cc. Economic advantages may be gained by responding to changing hydrology; support for ecosystem health may also be achievable when considering cc, although this is a developing area of water management. Improved quality of life for citizens of CA will be achieved through regionally appropriate adaptations to cc, and providing easier access to downscaled climate change modeling information. Energy consumption reduction in water management matches statewide objectives to reduce GHG (greenhouse gas) emissions.

NOTE: Once The Project Initiation document is completed and approved, please send a copy to your Division Chief and digital version sent to the Project Services Office for filing. (Even if the Initiation is not approved, please send a copy to PSO.)

Project is not completed:

Should this proposal not be approved, adaptation of local and regional water systems to the impacts of climate change would be delayed, reduced, or of less regional appropriateness. In addition, the California Water Plan 2013 will have to reduce the scope of climate change information it includes, such that current highly desired information and tools would not be available for water managers throughout the State and will result in flawed decisions based on outdated science.

Environmental Stewardship

Policy Applicable: Policy Not Applicable:

Reason(s): Planning function

Signatures

Prepared By: Elissa Lynn, Program Manager II, Bay-Delta Authority, Climate Change Program, DWR

Date: 8-1-11

Reviewer:

Date:

Project Recommended Project Not Recommended

Reason(s):

PROJECT SPONSOR SIGNATURES:

Name  Date 8/5/11

Name  Date 8/10/11

Name  Date 8/10/11

Name  Date 8/10/2011

Name  Date 8/10/2011