

Central Valley Flood Protection Plan Climate Change Scope Definition Work Group Meeting #2

Worksheet 4: Existing Problems and Future Challenges Related to Climate Change: Part 2

The CVFPP study area is the Sacramento-San Joaquin Valley. One of the major steps of planning is to identify the problems, future challenges, and opportunities that the planning efforts would focus on. Regional Conditions Work Groups are currently engaging this planning step, while relying on Climate Change Scope Definition Work Group to identify the problems, future challenges, and opportunities related to climate change. In the current context,

- Problems that we have already experienced adverse effects
- Future challenges that we expect the adverse effects would emerge or become even in the future
- Opportunities that we could leverage to create additional benefits while developing measures to improve the identified problems and future challenges

Based on the input from Meeting #1 and those from Regional Conditions Work Groups, we have established a series of categories for organizing our thoughts and evaluation.

- Flood system performance (*channel capacity, levee structural integrity, hydraulic features, operation, insufficient level of protection*)
- System maintenance and repairs
- Habitat quality, quantity, and connectivity (*loss and degradation of habitat and species, lack of natural process*)
- Policy and institutional issues (*Fed/State/Local coordination, liability, funding*)
- Water supply and quality (*conflict of management policy, flood-induced water quality concern*)
- Level of protection
- Land use
- Emergency response and post-flood recovery
- Information and education

What are the existing problems and future challenges within each category would be exacerbated and/or created because of climate change? How would you prioritize these problems and future challenges for the first 2012 CVFPP development? [*Opportunities are leveraged items and thus, not prioritized herein.*]



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We have associated the outcomes of the brainstorming process to the above categories, and distributed as a separate handout for further action.

CATEGORY	PROBLEM/FUTURE CHALLENGES
Flood system performance	Delta levee instability due to sea level rise
System maintenance and repairs	
Habitat quality, quantity and connectivity	
Policy and institutional issues	



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CATEGORY	PROBLEM/FUTURE CHALLENGES
Water supply and quality	
Level of protection	Change in hydrology redefines the level of protection
Land use	
Emergency response and post-flood recovery	
Information and education	



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CATEGORY	OPPORTUNITIES