

CENTRAL VALLEY
FLOOD MANAGEMENT
PLANNING PROGRAM



Central Valley Flood Protection Plan Development Overview

July 21, 2011

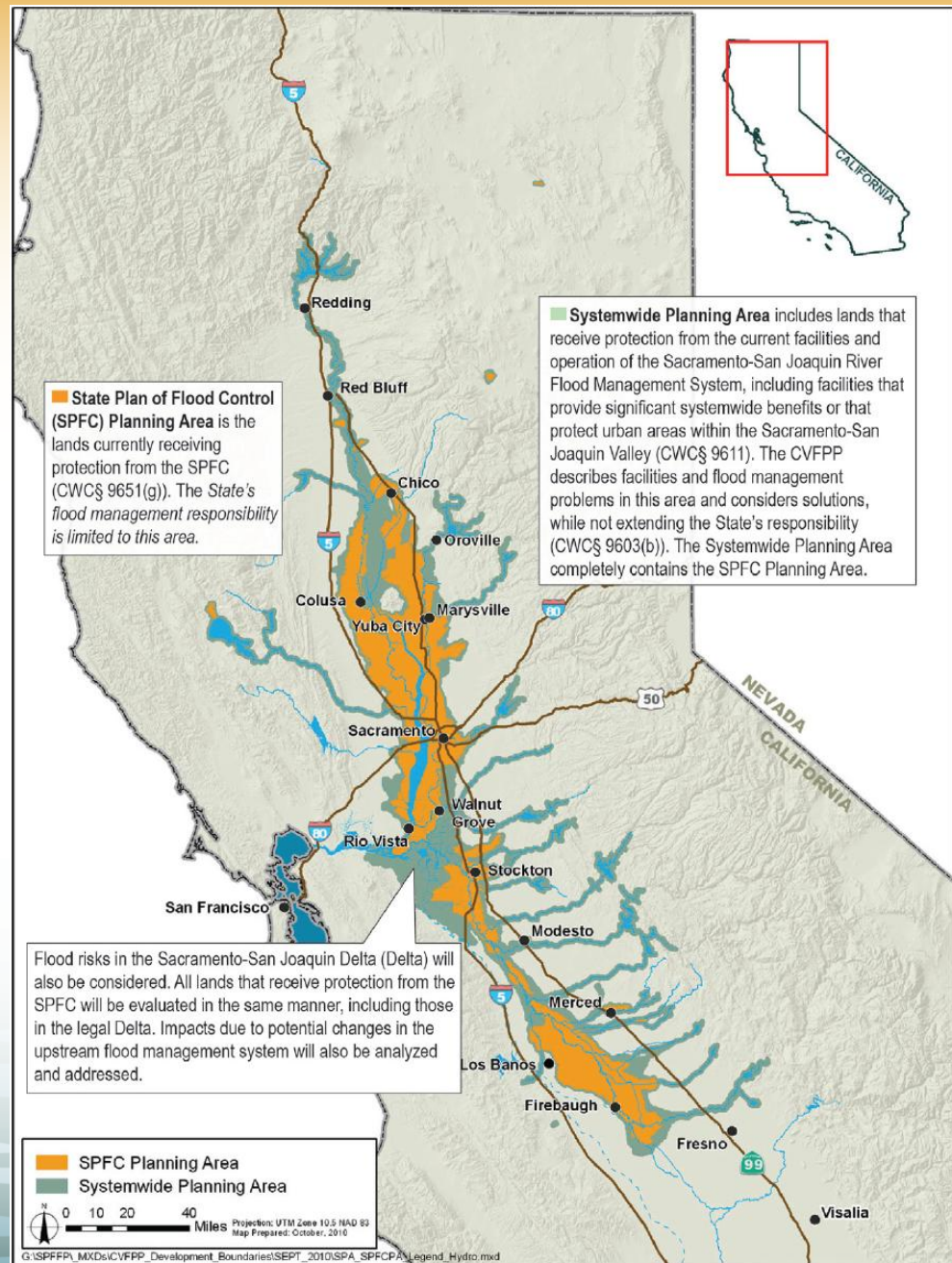
Outline

- CVFPP as a State Investment Plan
- 2012 CVFPP Development
- USACE Partnership

Geographic Scope

Central Valley Flood Protection Plan

- **State Plan of Flood Control Planning Area**
Includes lands currently receiving protection from the State Plan of Flood Control
- **System-wide Planning Area**
Lands that are subject to flooding associated with the current facilities and operation of the Sacramento-San Joaquin River Flood Management System



Key 2012 CVFPP Elements

*The 2012 CVFPP will outline the State's **systemwide investment approach** for flood management improvements in the Central Valley*

- System analysis
- Prioritized physical improvements that provide systemwide benefits
- Policy recommendations and guidance
- Implementation

Plan Progression

System Analysis

- Hydrology
- Reservoir analyses
- Levee performance
- Channel and estuarine flow/hydraulics
- Restoration opportunities
- Economic damages
- Life safety
- Flood risk reduction and other benefits

Policy Development

- Flood system policies to provide guidance and consistency in future flood system investment decisions
- Floodplain policies and strategies to address residual risks
- Program strategies and implementation policies to support FloodSAFE core flood management functions

Program Implementation

- Investment strategies
- Federal, State, and local roles and responsibilities
- Cost sharing
- Regional and local project benefits
- Residual risk management

Documentation

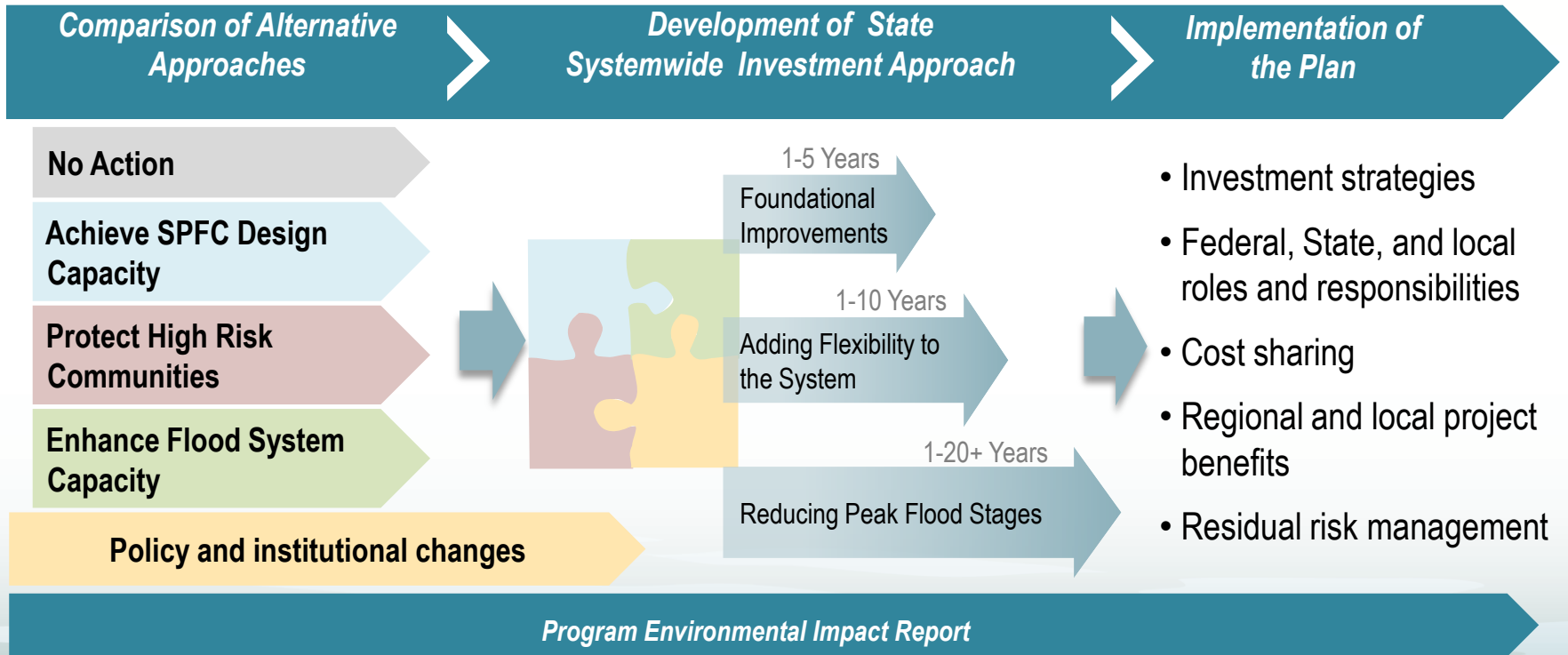
- 2012 Central Valley Flood Protection Plan
- Program EIR
- SPFC Descriptive Document
- Flood Control System Status Report
- State of California and Central Valley Flood Protection, 1848-2007
- Appendices and other reference documents

Alternative Approach Key Points

- 3 Alternative Approaches were established to get to more specificity for State Systemwide Investment Approach:
 - **Achieve SPFC Design Capacity** – Address capacity deficiencies and other conditions associated with existing SPFC facilities, without making major changes to the footprint or operation of those facilities
 - **Protect High Risk Communities** – Focus on protecting life safety for populations at highest risk, including urban areas and small communities
 - **Enhance Flood System Capacity** – Seek opportunities to achieve multiple benefits through enhancing flood system storage and conveyance capacity
- Identifies the advantages and disadvantages of combinations of management actions
- Provides opportunities to address the CVFPP Goals to different degrees

Analysis for State Systemwide Investment Approach

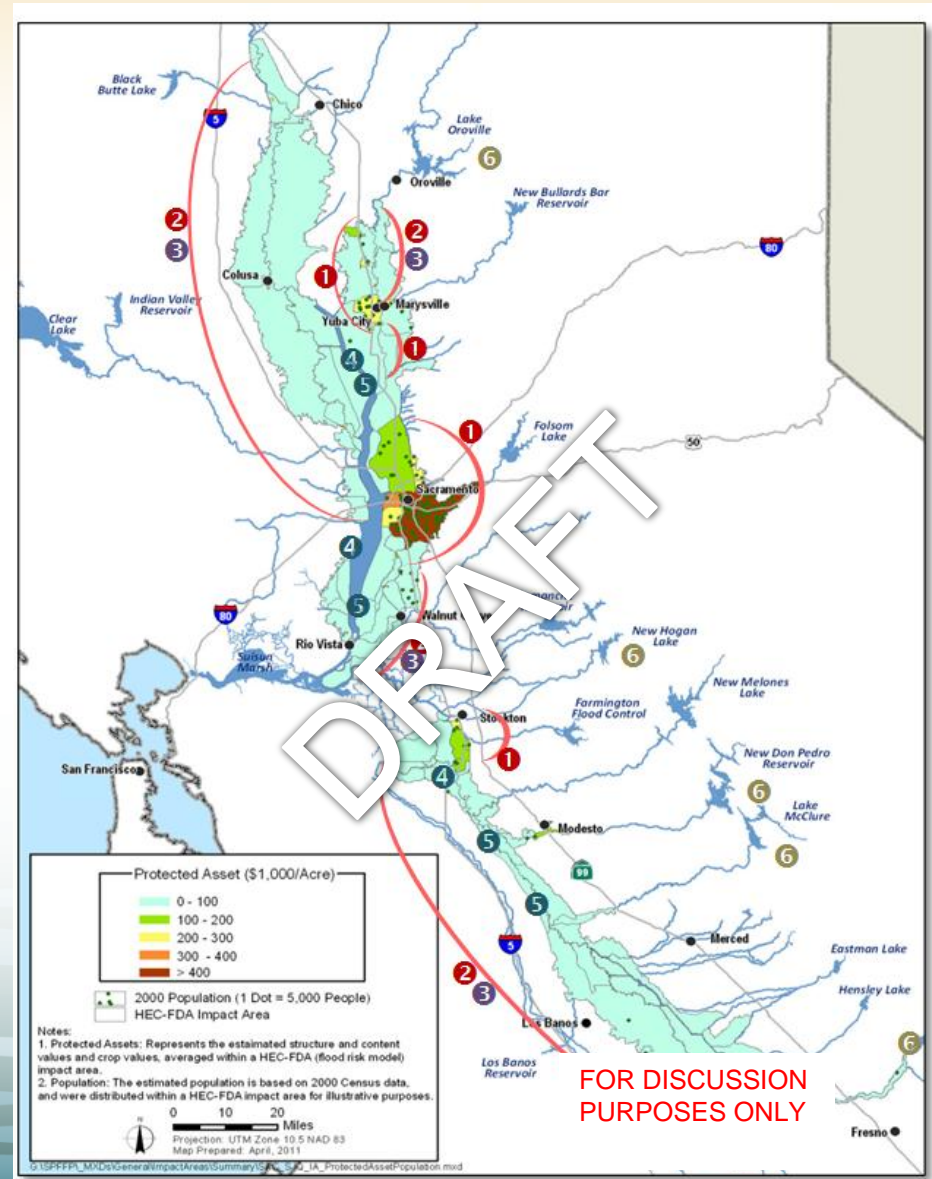
The State Systemwide Investment Approach encompasses aspects of each of the alternative approaches to balance achievement of the CVFPP Goals from a systemwide perspective



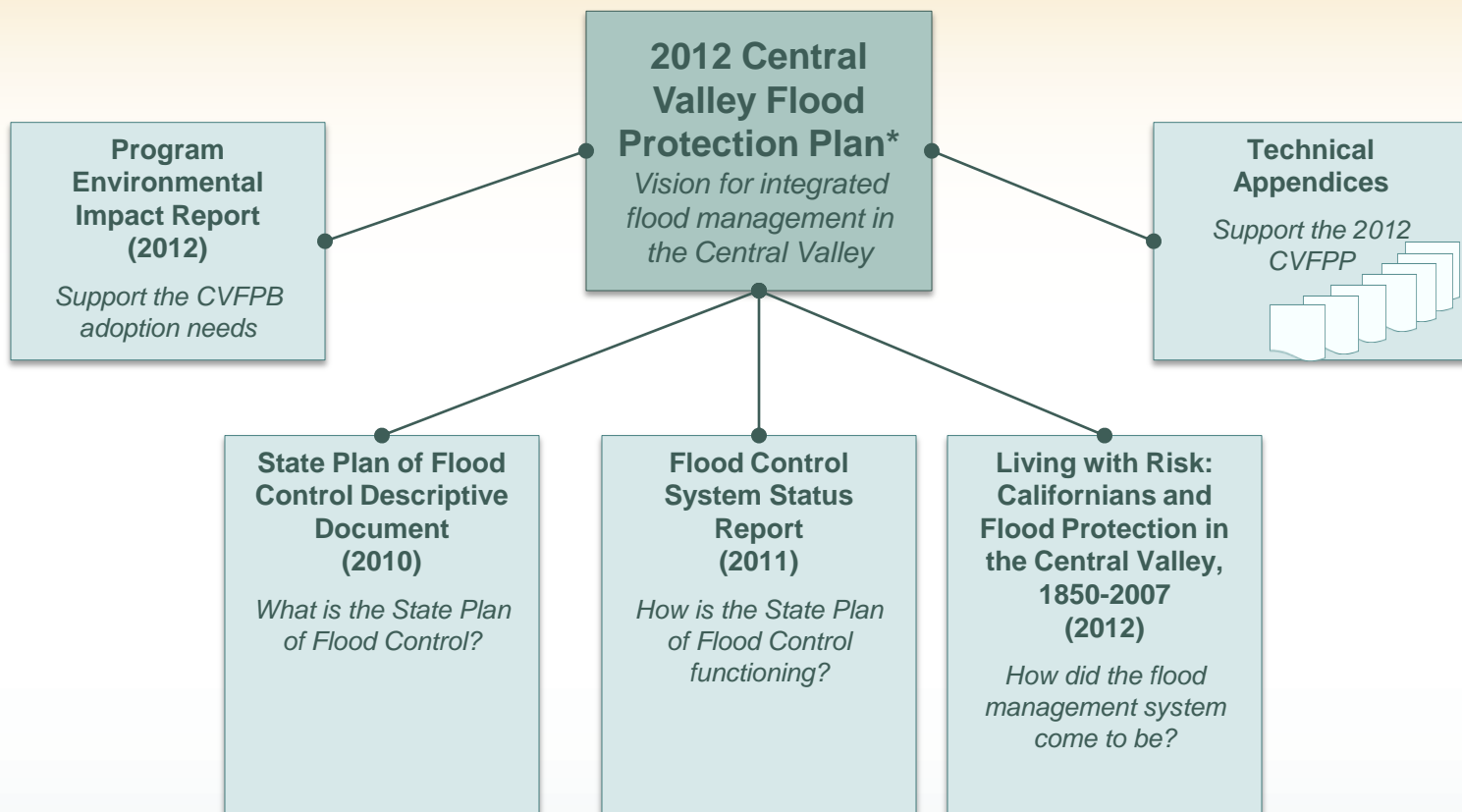
Categories of SSIA Physical Actions

1	Urban protection (200-year level of protection)
2	Small community protection (Potential isolated facilities)
3	Rural protection (Decommission/removal of levee; Setback and/or flow easement; rural levee standards)
4	Bypass/weir expansion; new bypass
5	Transitory storage easement
6	Reservoir flood storage increase and coordinated operation

Note: Environmental conservation framework is integrated in all actions; complementary floodplain management actions and emergency response and assistance are also implied in urban, small community and rural protection levels.



2012 CVFPP Documents

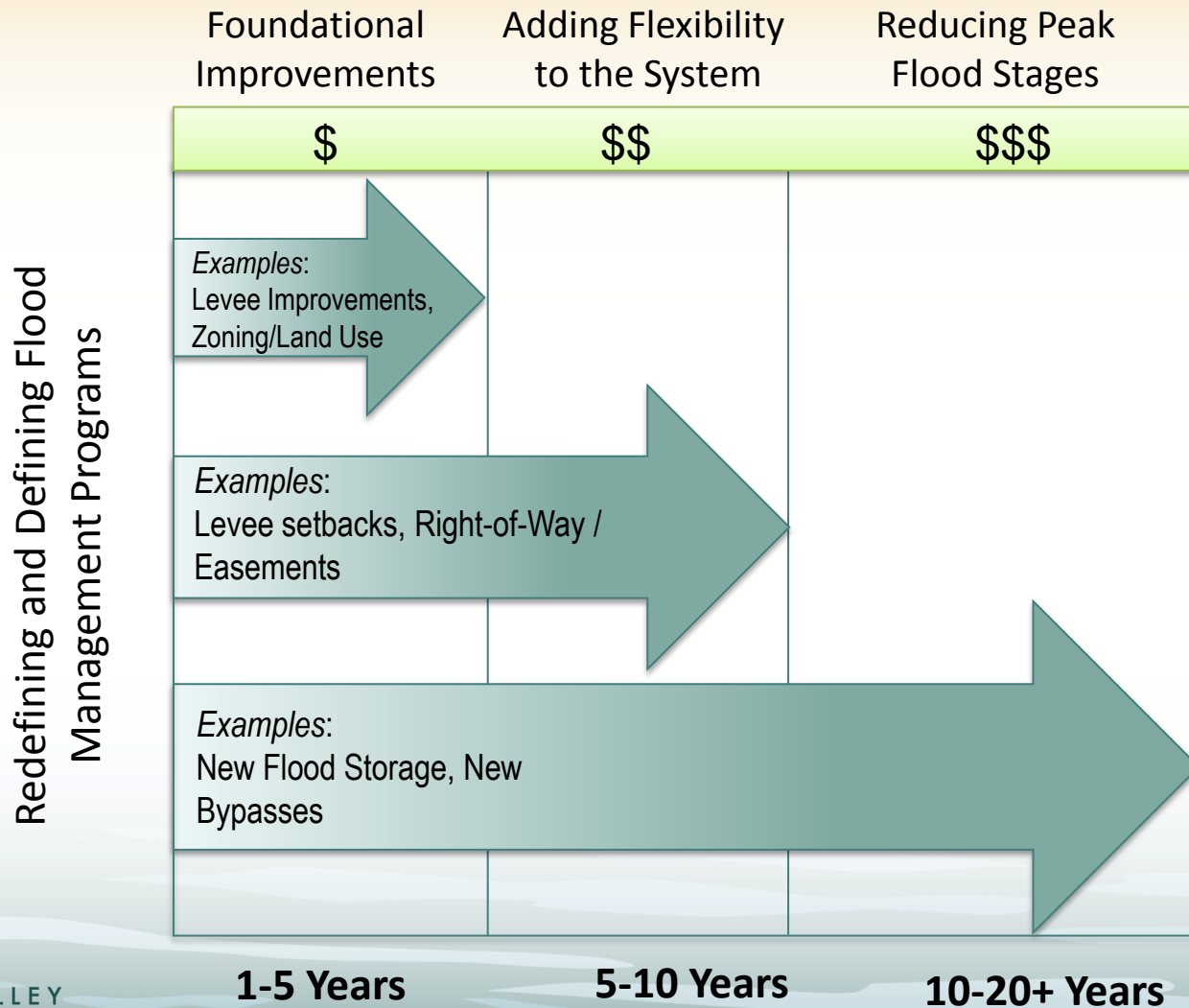


**Conservation Framework on how ecosystem functions and habitats be improved will be fully integrated in the 2012 CVFPP.*

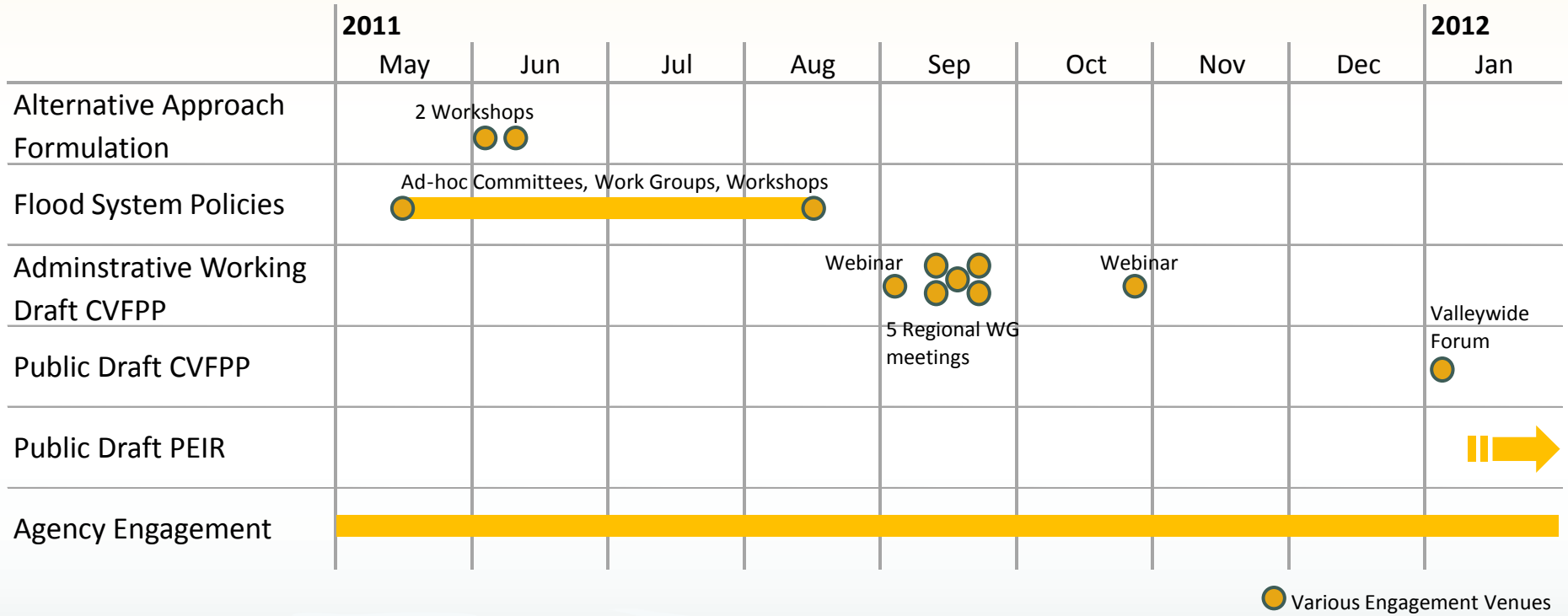
Key 2012 CVFPP Policy Development

Policy	Supporting Analysis			
	Economic	Implementation Cost	Engineering	Financing
Systemwide Benefit Analysis	✓			
Rural Risk Management Strategy		✓	✓	
Vegetation Management Strategy		✓		
O&M Roles & Responsibilities				✓
Systemwide Investment Strategy	✓	✓	✓	
Sustainable Financing Strategy	✓			✓

Addressing Implementation of Projects



CVFPP Communication and Engagement Schedule



Discussion