Application of Outcome Based Planning in the Central Valley Flood Protection Plan

2016 Floodplain Management Association Conference
Thursday, September 8
9:00 a.m. - 10:30 a.m.
Agenda

• Measuring Flood Project Effectiveness
• 2017 CVFPP Update
• Group Exercise: Assessing Management Actions
• Discussion
Measuring Flood Project Effectiveness
- Teams considered hypothetical projects’ expected contributions toward flood management goals

- Insights:
  - With limited project information, assumptions necessary to “connect the dots”
  - Outcomes differed based on team dynamics and professional experience, perspectives and biases
Yesterday’s “And the Outcome Is…” Panel Discussion

Ken Kirby
Statewide Flood Management Planning Office Consultant

Mitch Avalon
County Engineers Association of California

Tim Ramirez
Central Valley Flood Protection Board

Art Hinojosa
Integrated Regional Water Management California Department of Water Resources

INTENT ➔ ACTIONS ➔ ACTUAL OUTCOMES

Assess and Adapt
Application in the 2017 CVFPP Update
Central Valley Flood Protection Plan (CVFPP)

• Strategic blueprint to improve flood risk management in Sacramento/San Joaquin river basins

• Provides recommendations to guide near- and long-term state activities within State Plan of Flood Control (SPFC) floodplains

• A programmatic plan, not funding or permitting decision
## CVFPP GOALS

### Primary Goal: Improve flood risk management
- Reduce the chance of flooding
- Reduce damages once flooding occurs
- Improve public safety, preparedness, and emergency response

### Supporting Goals
- Improve Operations and Maintenance
- Promote Ecosystem Functions
- Promote Multi-benefit Projects
- Improve Institutional Support
### Ongoing Improvements
- Emergency Management
- Reservoir Operations
- Risk Awareness, Floodproofing, and Land Use Planning
- Routine Maintenance

### Urban Capital Improvements
- Levee Improvements
- Other Infrastructure and Habitat Improvements

### Rural Capital Improvements
- Levee and Infrastructure Improvements
- Setbacks, Bypasses, and Floodplain Storage
- Land Acquisitions and Easements
- Habitat Restoration/Reconnection

### Small Community Capital Improvements
- Levee and Infrastructure Improvements
- Setbacks, Land Acquisitions and Habitat Restoration
Societal Outcomes

- Public Safety
- Economic Stability
- Ecosystem Vitality
- Enriching Experiences
## How CVFPP Goals Align With Desired Societal Outcomes

<table>
<thead>
<tr>
<th>CVFPP GOALS</th>
<th>SOCIETAL OUTCOMES</th>
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<tbody>
<tr>
<td><strong>Primary Goal: Improve flood risk management</strong></td>
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<tr>
<td>Reduce the chance of flooding</td>
<td>+  $  🈹</td>
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- +: Public Safety
- $: Economic Stability
- 🈹: Ecosystem Vitality
- 🧔: Enriching Experiences
Public Safety Outcomes

- Minimize number of people within the floodplain
- Reduce human vulnerability when flooding occurs
- Increase system performance in populous areas
Ecosystem Vitality
Outcomes

- Generally promote ecosystem function
- Increase the quantity of functional floodplain and associated riverine habitats
- Increase and maintain the abundance and diversity of floodplain dependent native species
Economic Stability Outcomes

- Minimize property and assets within the floodplain
- Reduce economic vulnerability when flooding occurs
- Increase system performance for economically developed areas
- Produce or maintain economic benefits on floodplains
Enriching Experiences Outcomes

Provide recreational benefits
Support societal / aesthetic values
Provide education and public awareness
Protect significant farmland
Group Exercise: Assessing Management Actions
Teams
Ground Rules

• Respect the opinion and perspective of others

• Respect the process, this exercise is intended to be variable, difficult and somewhat frustrating

• Discussion should be at a high level, technical work is not incorporated into the project descriptions
Discussion
<table>
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<tr>
<th>October 2016</th>
<th>• Working Draft Released to Stakeholders</th>
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| December 2016 | • Public Draft Released/Delivered to the Central Valley Flood Protection Board  
 |              | • Public Comment Period Begins |
| January 2017 | • Joint 2017 Update and Supplemental Programmatic Environmental Impact Report (SPEIR) Public Meetings |
| May 2017    | • Anticipated SPEIR Certification |
| June 2017   | • Anticipated Board Adoption of the 2017 Update and SPEIR Findings |

For more information, visit [www.water.ca.gov/cvfpm](http://www.water.ca.gov/cvfpm)