

CVFPB Monthly Update

November 21, 2014

Presented by:

Michael Mierzwa, P.E.

Michael.Mierzwa@water.ca.gov

Chief of the Central Valley Flood Planning Office
California Department of Water Resources



2017 ROADMAP



Today's Discussion

Where We've Been

- Putting Our Work in Context

Where We Are

- 2017 CVFPP Roadmap

Where We're Going

- Looking Ahead at Near- and Long-Term Activities



Where We've Been

Putting Our Work in Context



2017 ROADMAP



Exposure is high. Risk is increasing.

- ❖ Varying levels of flood protection
- ❖ One million people and \$70 billion in assets at risk
- ❖ 50 percent of levees structurally deficient
- ❖ Climate change will put additional stress on the system
- ❖ Key species and riparian habitat in crisis
- ❖ Majority of channels lack adequate conveyance capacity



CVFPP 2012: A Multi-Benefit Approach for Flood System Management

- Combinations of benefits
- Improves operations & maintenance
- Improves institutional support
- Promotes ecosystem functions

BALANCED INVESTMENT AND SYSTEM APPROACH

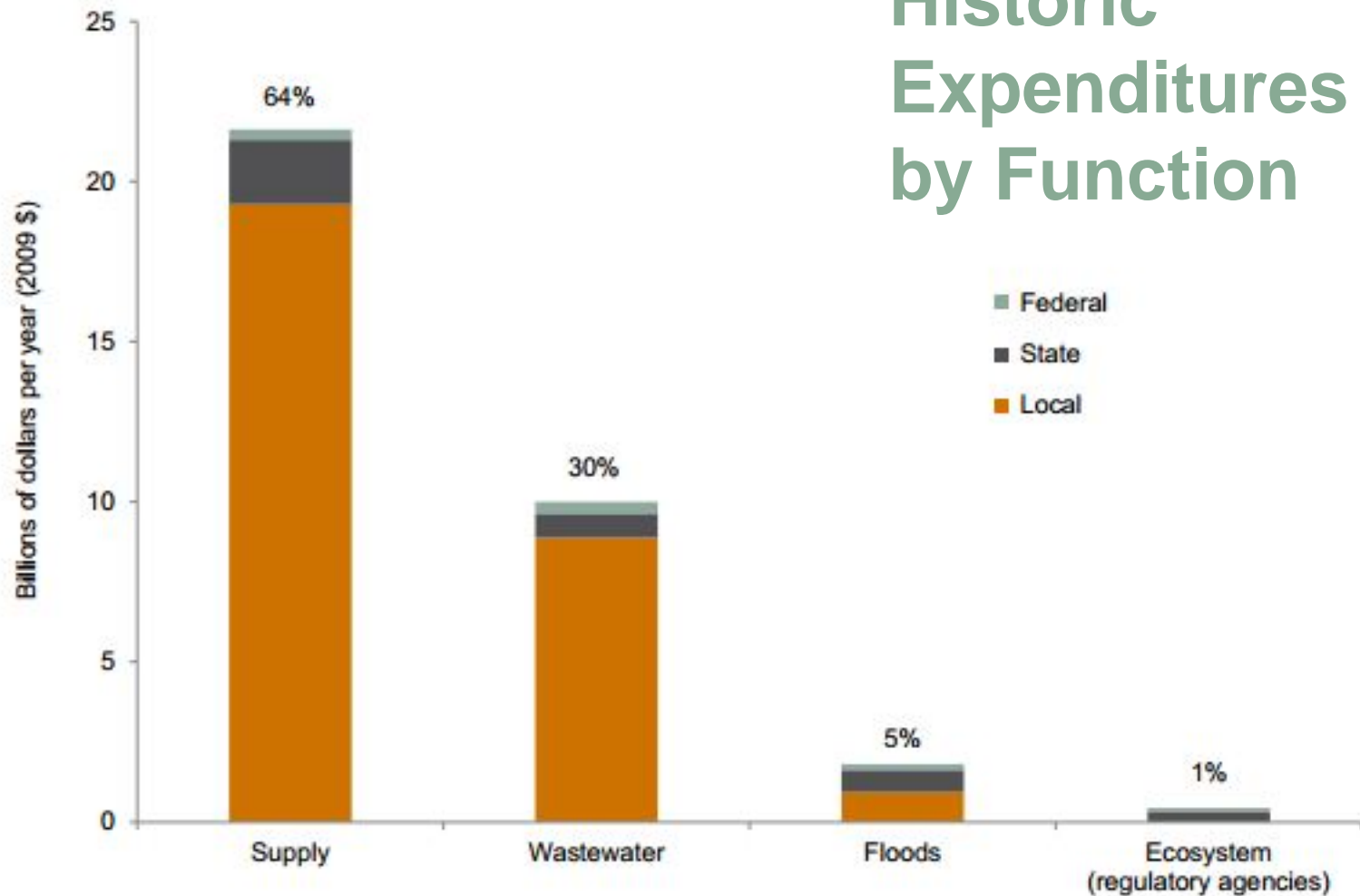
System improvements
provide **benefits
for everyone:**
urban, rural,
small communities,
and ecosystem.



2017 ROADMAP



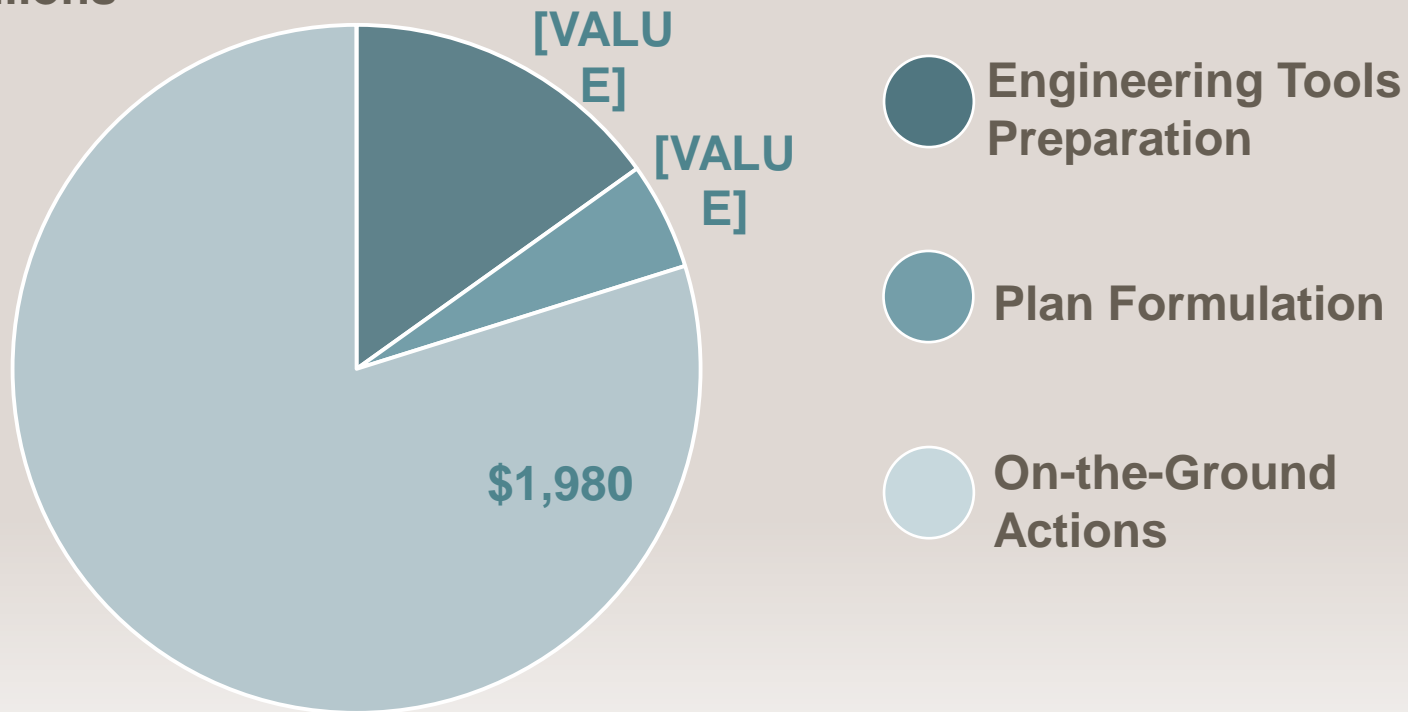
Water sector spending by function, late 2000s



Investing in Tools, Plans and Actions

2007-2013 Bond-Funded Investment*

\$ in Millions



*Chart does not account for \$400+ million in General Fund investments

Source: FloodSAFE California Annual Report, released in March 2014



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Stakeholder Engagement

Specific Activities:

- BWFS/Conservation Strategy public webinars (*March 2013*)
- BWFS/Conservation Strategy technical workshops (*May and October 2013*)
- Yolo Bypass ecosystem integration working session (*Nov. 2014*)

Ongoing Engagement Activities:

- Coordinating Committee participation
- Briefings to CVFPB staff
- Meetings with RFMP groups, regulatory agencies, resource agencies, CVFPB members, NGOs and others

Where We Are

2017 CVFPP Update: Roadmap

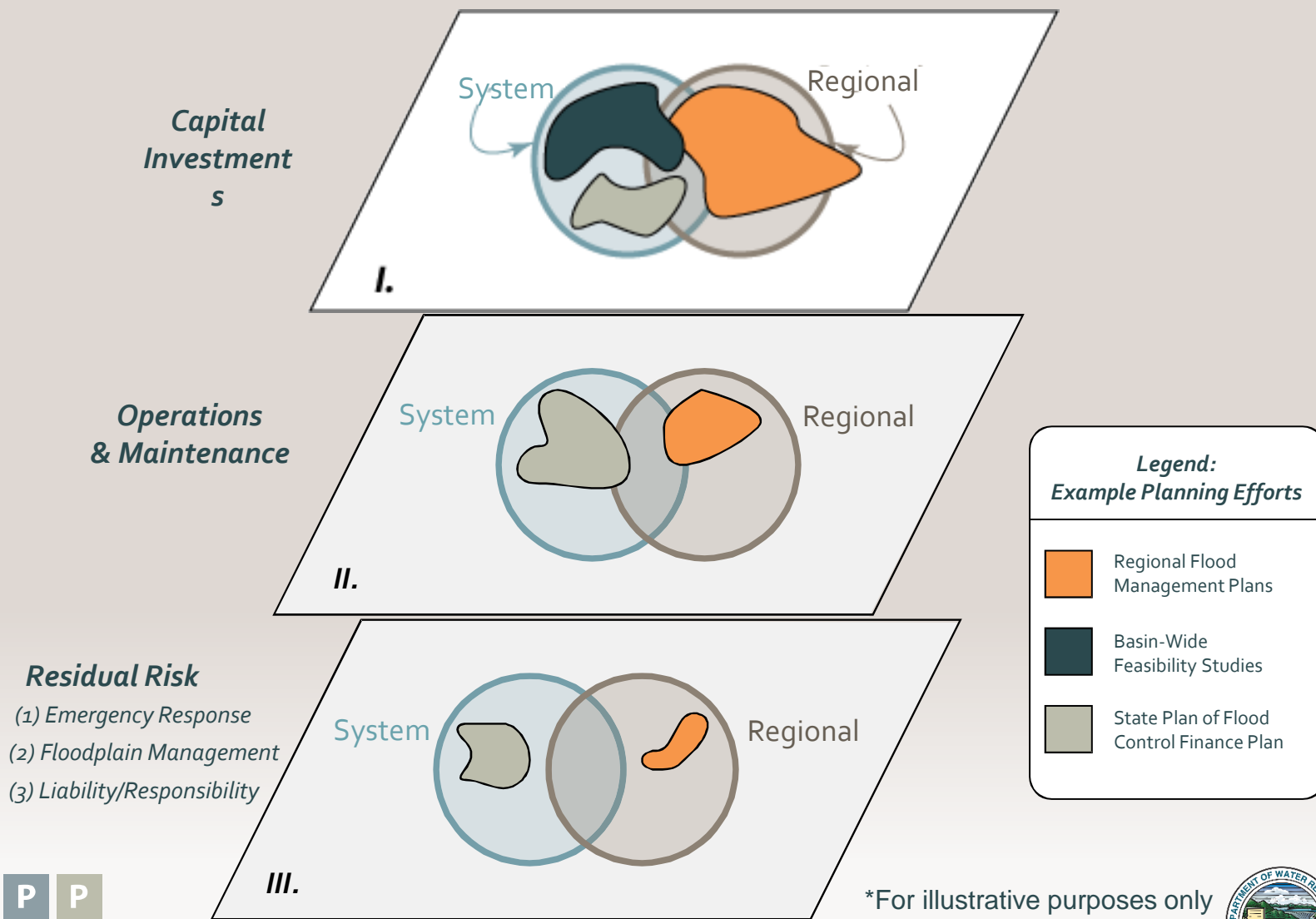


2017 ROADMAP



Various Flood Risk Reduction Planning Efforts*

Objective: Identify the focus of various planning efforts in order to describe a comprehensive approach to reducing flood risk



*For illustrative purposes only

2017 CVFPP Update

Chapter 1 Context	Setting Historical Context
Chapter 2 Converging	Summary of Refinements and Areas of Alignment
Chapter 3 System Management	Strategies to Improve System Management
Chapter 4 Implementation Timing	Investment Approach
Chapter 5 Measuring Value	Tracking, Reporting of Investment Actions & Results

Identifying Alignment

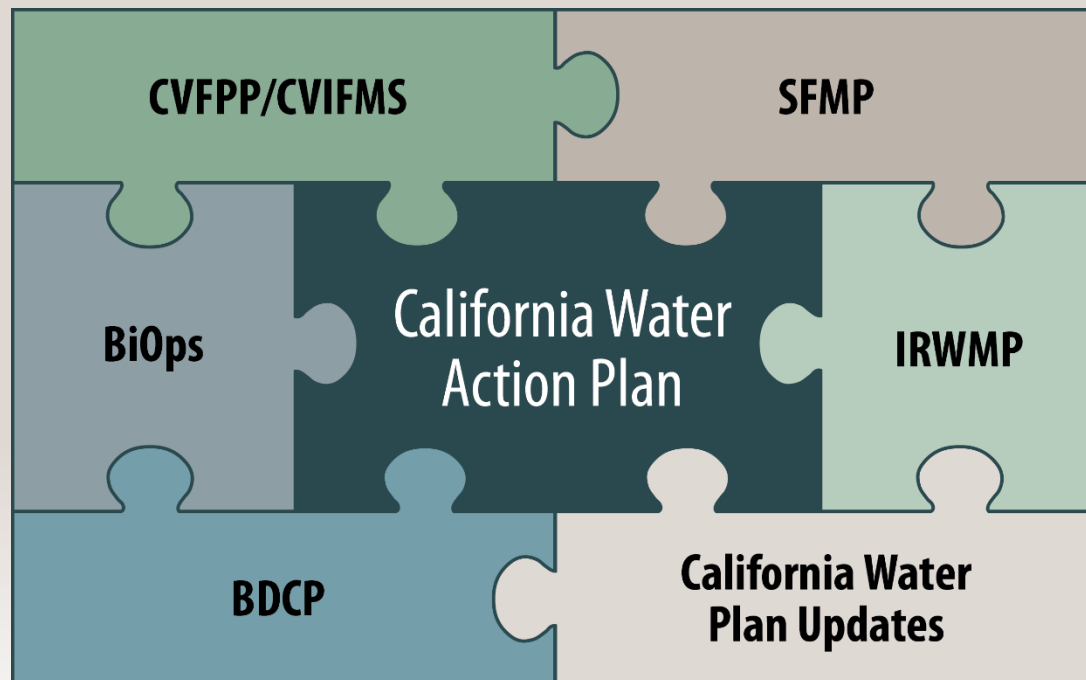


Planning Integration

Chapter
2
Converging

Chapter
3
System
Management

How it all fits together



Recommendations for System Management Investments

EXAMPLE RECOMMENDATION YOLO BYPASS

Addresses CVFPP Goals:
Improve flood risk management

Multi-benefit Project:

- Increase flow capacity
- Improve floodplain conditions for rearing juvenile salmonoids
- Increase habitat and improve passage for native fish species
- Improve riparian and wetland habitat and the wildlife they support
- Comply with regulatory requirements (BiOps)
- Integrating with other planning activities, such as Conservation Strategy, BDCP, and BiOps

RECOMMENDATION CATEGORIES



State-Preferred System Improvements



Urban Flood Protection



Small Community Flood Protection



Rural-Agricultural Area Flood Protection



Residual Risk Management



Integrated Ecosystem
and Water Management Actions

EXAMPLE ACTIONS

EXAMPLE ACTIONS

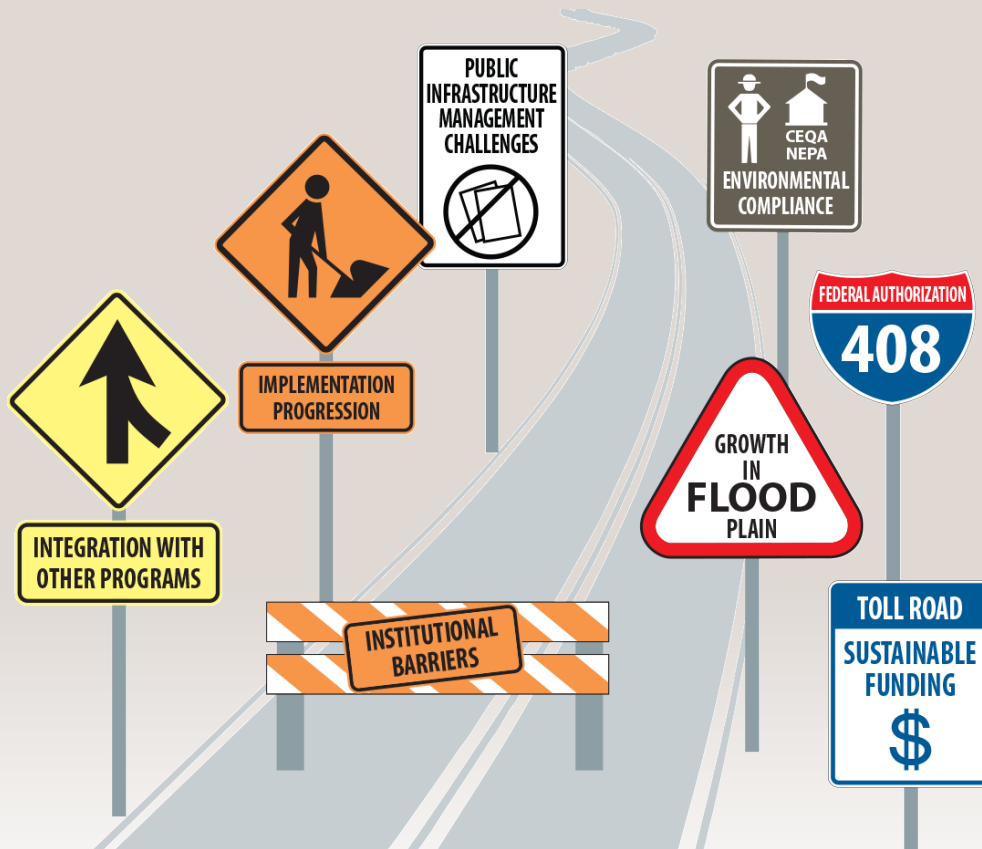
- Flowage easements
- Fix-in-place
- Setback levees
- Emergency response
- Fish passage
- Ring levees
- Storage
- Etc.

- Storage
- Etc.

Implementation Opportunities and Challenges

Chapter 4

Implementation Timing



- Analyzing Tradeoffs
- Federal Authorization
- Permitting Strategy
- Environmental Compliance
- Sustainable Financing Strategy

Where We're Going

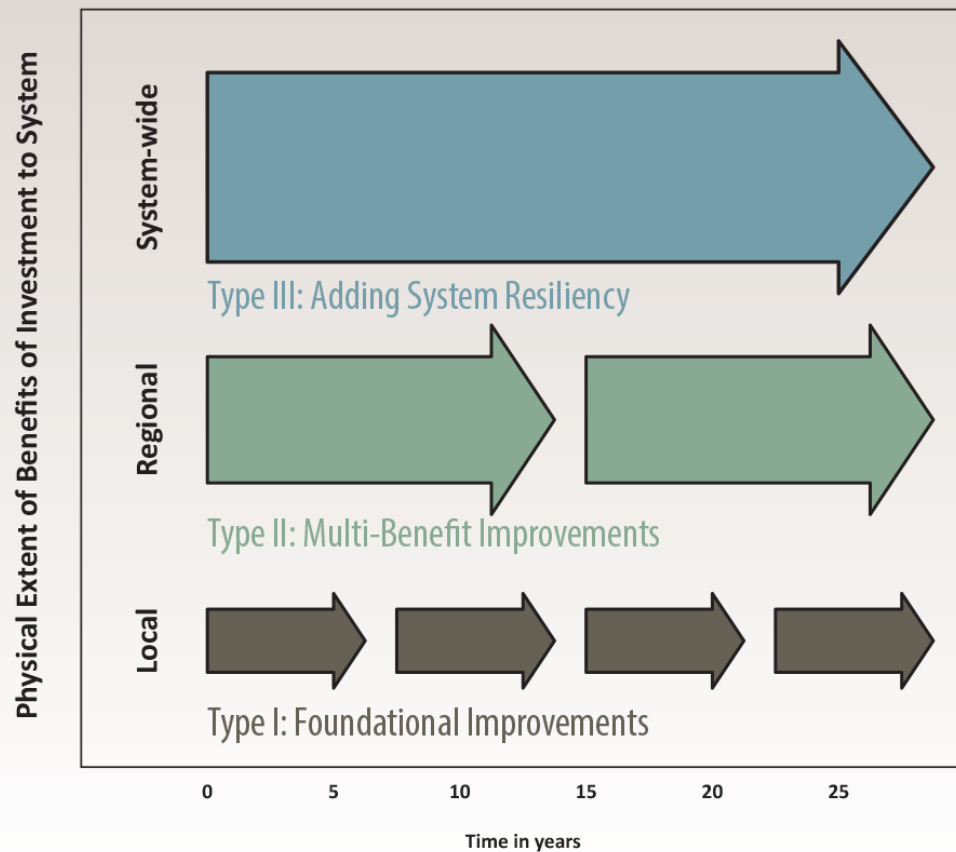
Next Steps: Delivering Value



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Continual Implementation



- Progress on system and regional benefits concurrently
- Track progress with consideration of scale of benefits

Needed Investments Over Time

Estimate of Necessary Investment, \$ in Millions

Source: 2012 CVFPP - Table 4-3

FLOOD MANAGEMENT PROGRAMS	FLOOD EMERGENCY RESPONSE	FLOOD SYSTEM OPERATIONS AND MAINTENANCE	FLOODPLAIN RISK MANAGEMENT	FLOOD SYSTEM ASSESSMENT, ENGINEERING, FEASIBILITY, AND PERMITTING	FLOOD RISK REDUCTION PROJECTS	TOTAL
2007–2011	\$64	\$180	\$99	\$457	\$2,102	\$2,902
2012–2017	\$140	\$110	\$130	\$530	\$2,860	\$3,770
2018 and Beyond	\$310	\$270	\$570	\$1,310	\$7,780	\$10,240
Total	\$510	\$560	\$800	\$2,300	\$12,740	\$16,910

A

B

C

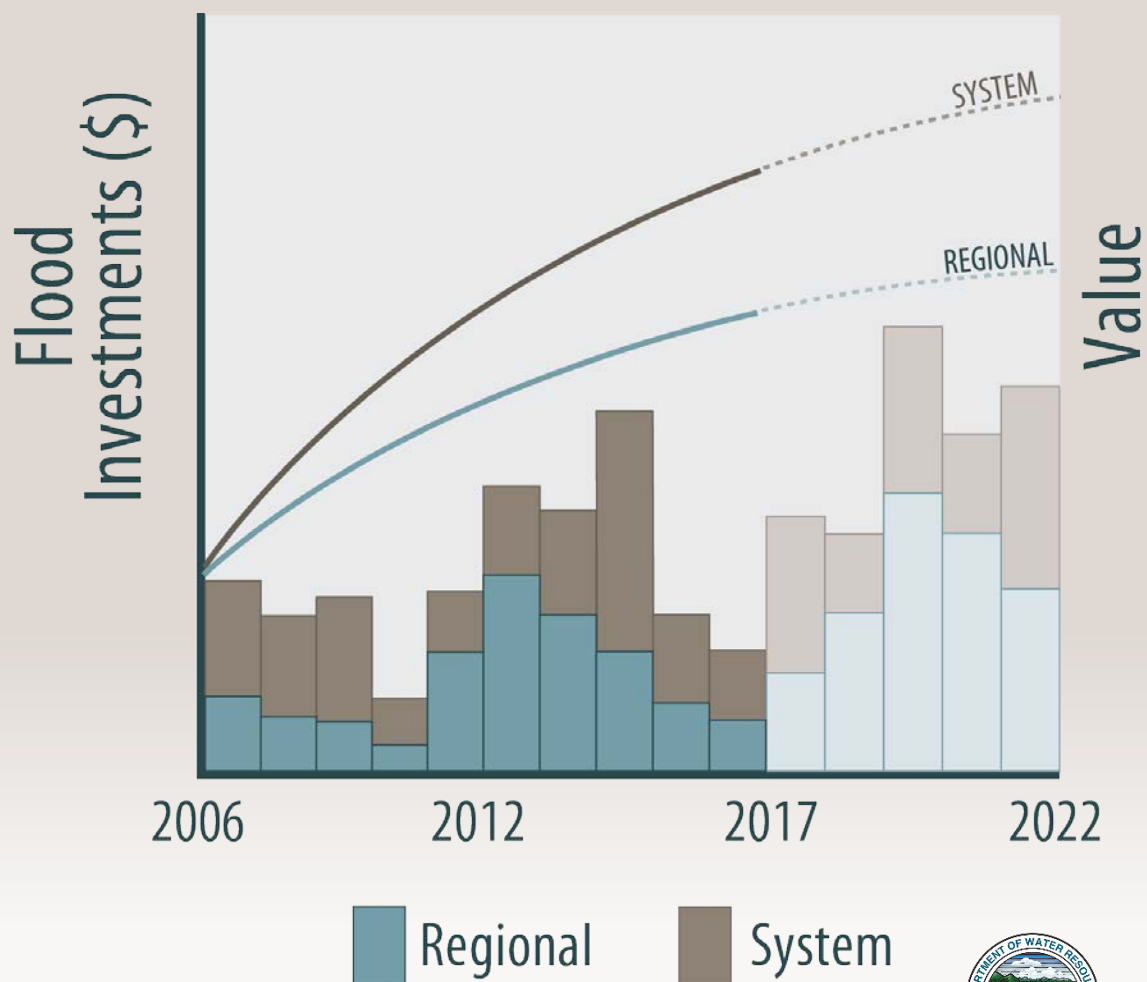
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Commitment to Tracking Investment Results

- Value
- Accountability
- Transparency
- Balance in Investment Strategies
- Flood Risk Reduction

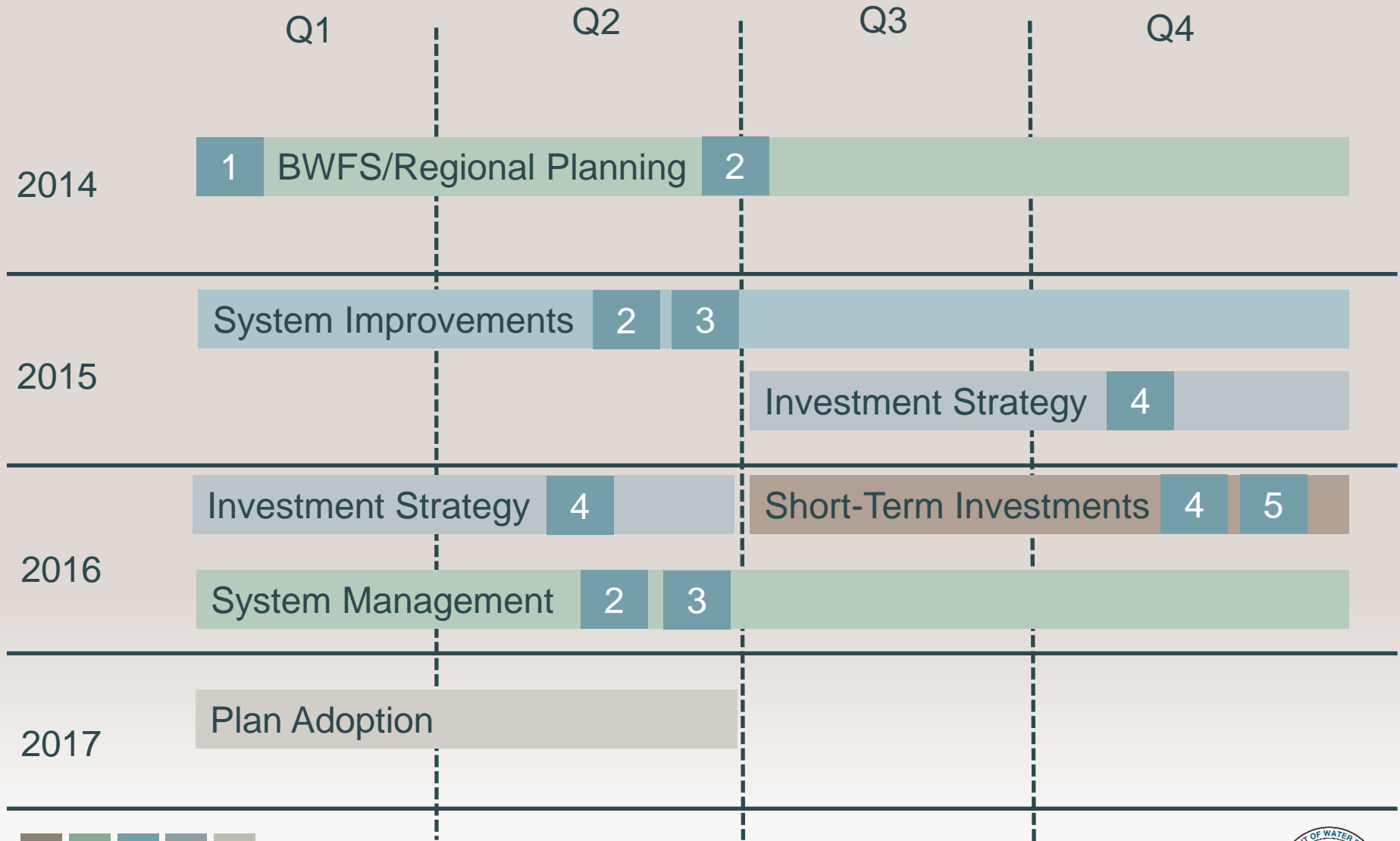


Upcoming Milestones

- RFMP Phase 2
- Public Draft Conservation Strategy
- BWFS Configurations



Timeline



C V F P P

2017 ROADMAP



Proposed Future Updates

Regular CVFPP and Coordinating Committee updates planned:

Venue	Date	Proposed Topic
Coordinating Committee Meeting	December 17, 2014	BWFS Overview
CVFPB Meeting	December 19, 2014	BWFS Overview
Coordinating Committee Meeting	TBD (January 2015)	Summary of DWR's RFMP Phase 1 Content Review
CVFPB Meeting	TBD (January 2015)	BWFS Preliminary Technical Work

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