

Coordinating Committee Update

SSIA Range of Investments Over Time

September 28, 2016

Presented by:

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Discussion: How to graphically show the CVFPP Investment Portfolio?

7 ways – maybe more...

- By Five State Mega-Programs
- By Areas of Interest / Implementation Groupings
- By One-Time Capital vs. Ongoing Investments
- By Cost Share
- By Phasing
- By Comparison with 2012 tables/graphs/charts
- By Contribution to CVFPP goals
- Other????

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Comparative Investment by DWR Program

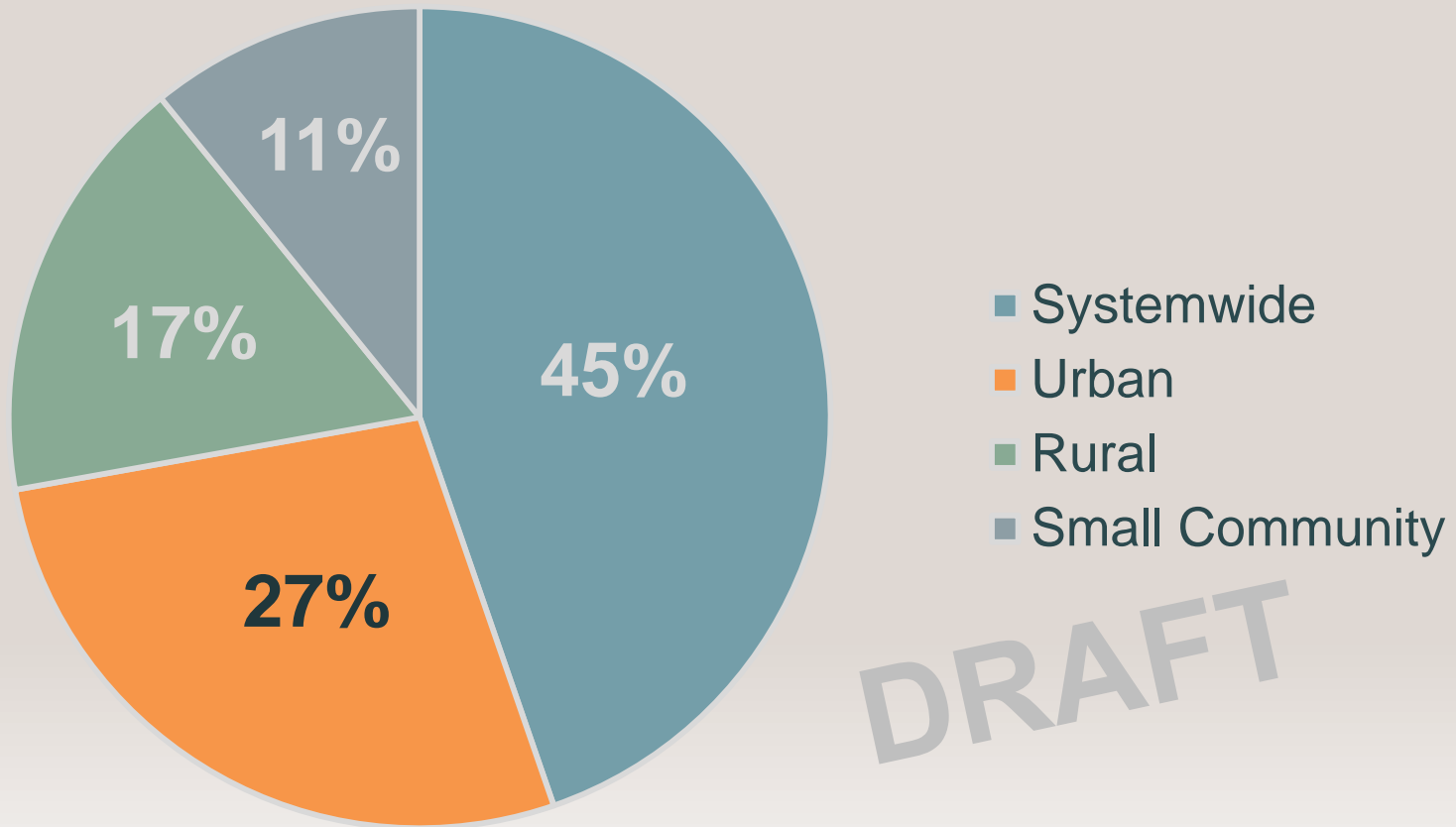
Total Program Investment (State, Local, and Federal Investment)

Flood Management Implementation Program	2012 Total CVFPP Investment Estimate ¹		2017 Total CVFPP Investment Estimate	
	Low (\$M)	High (\$M)	Low (\$M)	High (\$M)
Flood Management Planning	\$1,890	\$2,300	\$870	\$1,060
Floodplain Risk Management	\$600	\$800	\$960	\$1,170
Flood Risk Reduction Projects	\$10,520	\$12,740	\$13,070	\$15,980
Flood System O&M	\$440	\$560	\$1,760	\$2,150
Flood Emergency Response	\$480	\$510	\$690	\$850
Total	\$13,920	\$16,910	\$17,490	\$21,390

Note:¹From Table 4.3 in the 2012 CVFPP

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CVFPP Investments Spread Across Areas of Interest



Ongoing Investment Types by Area of Interest

Systemwide

Ongoing Investment	Annual Estimated Low Cost (\$M)	Annual Estimated High Cost (\$M)
State Operations, Planning and Performance Tracking	\$41	\$51
Emergency Management	\$33	\$40
Reservoir Operations	\$13	\$15
Routine Maintenance	\$100	\$120

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What's Included in Draft Systemwide Ongoing Investment Estimates?

- **State Ops, Planning and Performance Tracking:** *Estimated by DWR (Suggest \$51M annual)*
 - DWR Staff and Resources
 - CVFPB Members/Staff and Resources
 - Resource Agency Staff (CDFW, USFWS, NMFS, etc.)
 - Performance Tracking database creation, maintenance and data collection
- **Emergency Management:** *Estimated by DWR and RFMPs (Suggest \$40M annual)*
 - Response and preparedness planning
 - Renewed flood fight supplies
 - Training and exercising response teams
- **Reservoir Operations:** *Estimated by DWR and RFMPs (Suggest \$15M annual)*
 - FCO/FIO for Oroville and New Bullard's Bar
 - FCO and increased objective releases for multiple San Joaquin reservoirs

Draft Systemwide Ongoing Investments Continued

- **Routine Maintenance:** *Provided by O&M Workgroup and RFMPs (Suggest \$120M annual, now @ \$30M)*
 - Mix of RFMP and Workgroup estimates- current, deferred and future (e.g., rodent control, vegetation management, levee, channel, major and minor structure, etc.) including Arrundo removal
 - **Why slightly different than OMRR&R Work Group \$130M estimate?**

Because most all repair, rehabilitation and replacement activities are included in the capital investment estimates, including pipe penetrations

Ongoing Investment Types by Area of Interest

Urban

Ongoing Investment	Annual Estimated Low Cost (\$M)	Annual Estimated High Cost (\$M)
Risk Awareness, Floodproofing, and Land Use Planning	\$12	\$15
Studies and Analysis	\$2	\$3

Rural

Risk Awareness, Floodproofing, and Land Use Planning	\$4	\$6
Studies and Analysis	\$1	\$2

Small Community

Risk Awareness, Floodproofing, and Land Use Planning	\$10	\$12
Studies and Analysis	\$10	\$12

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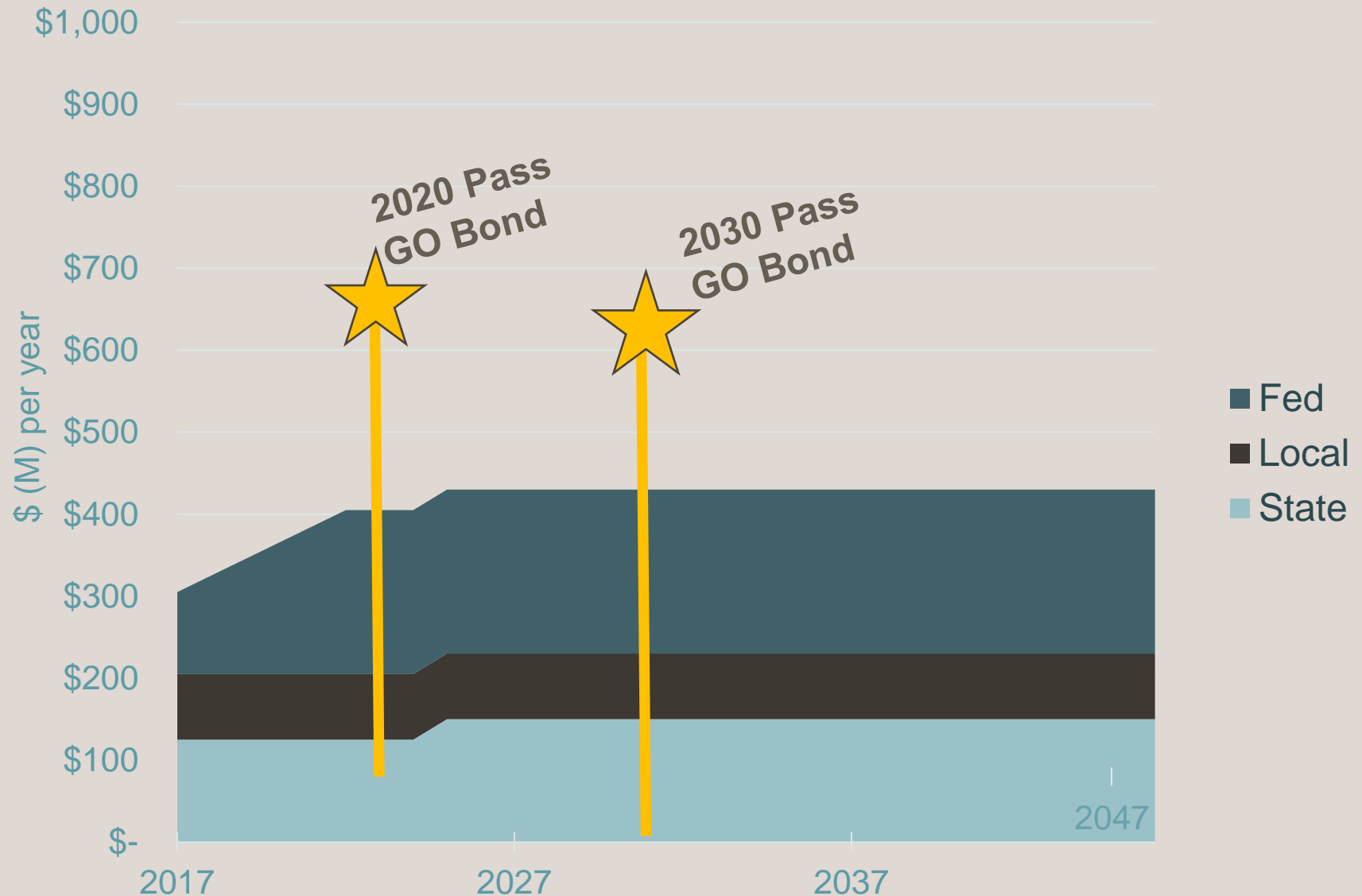
What's Included in Urban, Rural, and Small Community Ongoing Investment Estimates?

- Risk Awareness, Floodproofing, and Land Use Planning
 - Notification campaigns, elevating structures, floodplain mapping: *provided by RFMPs and Floodplain Management Effort*
- Studies and Analysis
 - Small Community feasibility studies, sediment studies, hydrology analysis: *provided by RFMPs*

Financing Mechanisms for Ongoing Investments

Systemwide	
State Ops, Planning and Performance Tracking	State General Fund, GO Bonds
Emergency Management	State General Fund, GO Bonds
Reservoir Operations	State General Fund
Routine Maintenance	State General Fund, Assessments, other taxes, etc.
Urban	
Risk Awareness, Floodproofing and Land Use Planning	State General Fund, FEMA, USACE
Studies and Analysis	State General Fund, GO Bonds, USACE, Local Property Assessments
Rural	
Risk Awareness, Floodproofing and Land Use Planning	State General Fund, FEMA, USACE
Studies and Analysis	State General Fund, GO Bonds, FEMA, Local Property Assessments
Small Community	
Risk Awareness, Floodproofing and Land Use Planning	State General Fund, FEMA
Studies and Analysis	GO Bonds (1E), USACE

Finance Mechanisms Timeline



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