

Lead Scientist's Report - April 2005

Program Plan
Zach Hymanson

CALFED Science Program Goal

Establish a body of knowledge
directly relevant to CALFED actions
and their implications

CALFED Science Program

Major Activities

• Investment in High Priority Information Needs

• Communication of Scientific Understanding

• Performance Evaluation

• Application of Science Practices

• Program Planning/Reporting/Administration

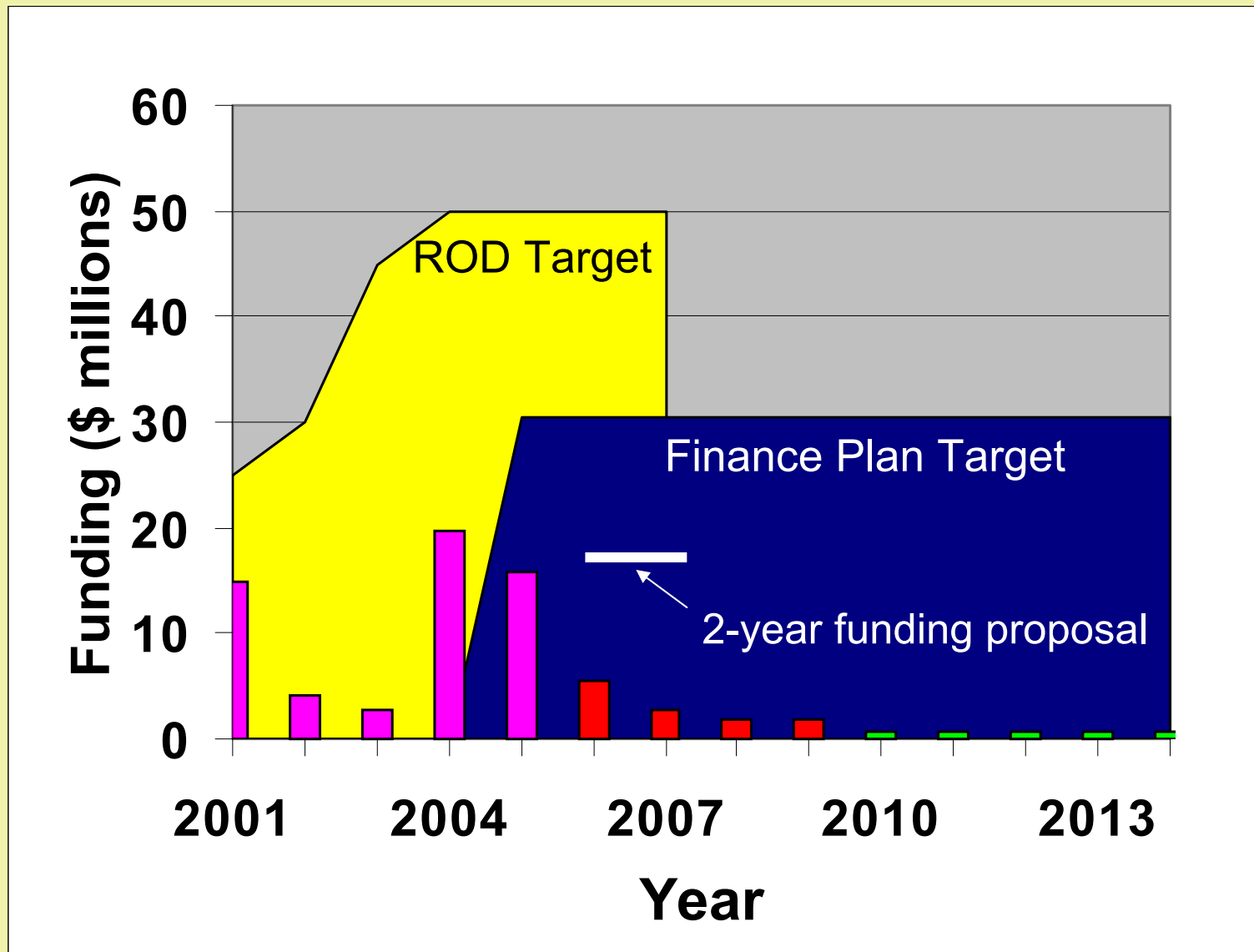
• Coordination/Integration with Interagency
Ecological Program (IEP)

Long-term

Near-term

Ongoing

CALFED Science Program Funding 2001-2014



CALFED Science Program

- Investment in High Priority Information Needs **1**
- Communication of Scientific Understanding
- Performance Evaluation **1** **2**
- Application of Science Practices
- Program Planning/Reporting/Administration

CALFED Science Program

Major Outstanding Issues

- Concern about high total cost of Science and duplication among programs.

Major program activities, Years 6-9	Studies and research	Analysis of existing data	Science Communication	Monitoring	Peer review	Use of Science Boards and technical experts	Cross-program coordination (note which program)	Estimated funding for science portion of this activity
Common Assumptions effort	X	X			X	X	X	\$ 1,500,000
In-Delta Storage investigation	X	X	X		X	X		\$ 600,000
Shasta Lake Water Resources Investigation	X	X		X	X			\$ 400,000
Los Vaqueros Reservoir Expansion investigation	X	X						\$ 350,000
North-of-the-Delta Offstream Storage investigation	X	X	X		X	X		\$ 650,000
Upper San Joaquin River Basin Storage Investigation	X	X			X	X		\$ 300,000
San Luis Reservoir Low Point Improvement Project investigation	X	X						\$ 150,000
Groundwater Storage - Feasibility Study Grants	X			X				\$ 500,000
Groundwater Storage - Technical Assistance to Locals	X			X				\$ 300,000
Groundwater Storage - Implementation Grants and Loans				X				

CALFED Science Program

Major Outstanding Issues

- Program operations
 - Contract issues
 - Staff issues

IEP

Major Outstanding Issue

- Finance Plan target too low (~\$1.3M)
- Agency costs have increased (~\$0.5M)
- Estimate a ~\$1.8M shortfall in 2006

Lead Scientist's Report - April 2005

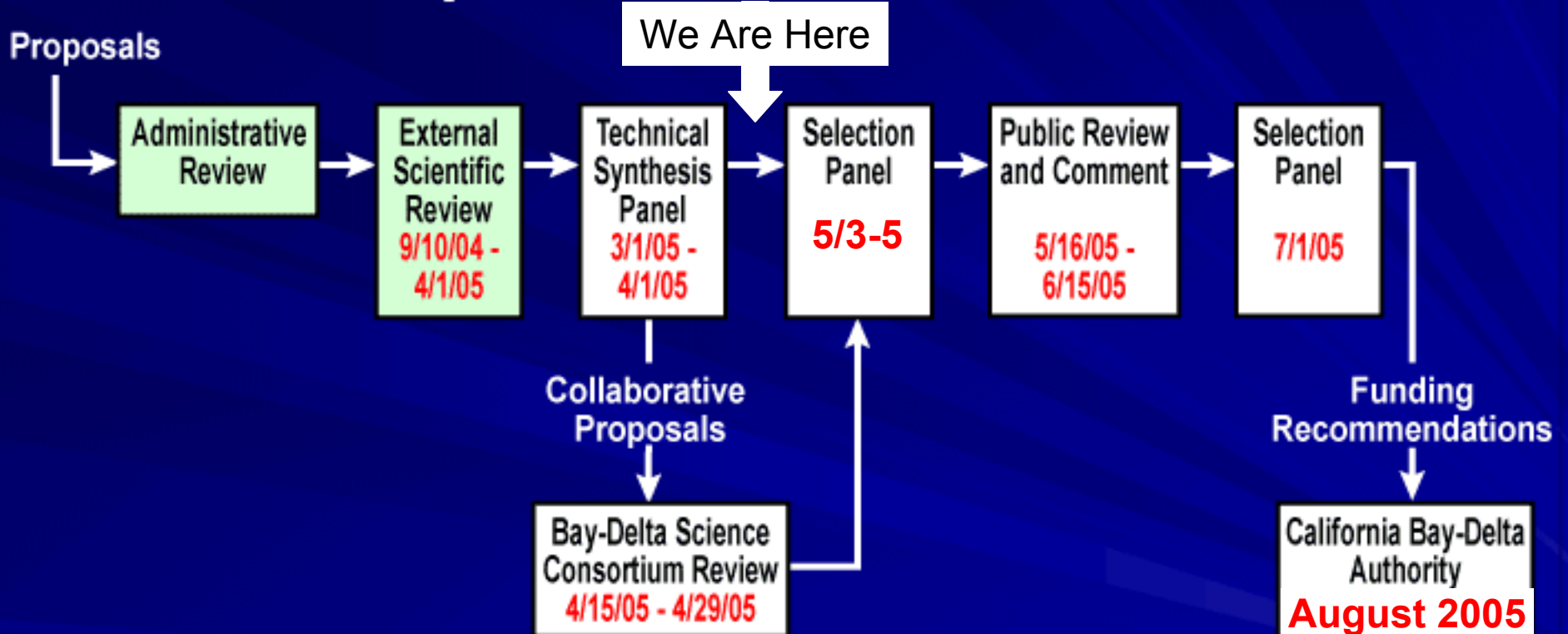
Ongoing Tasks:

- 1. Environmental Water Account Technical Review Panel Report response:** First draft in preparation; will get that to agency scientists by mid May; hope to bring agency-Science Program coordinated final response to Authority at the June/ August meeting.
- 2. ISB Support:** Meetings, subcommittees (levees, monitoring, modeling, performance measures, development science agenda and strategic plan).
- 3. Nomination for replacement on ISB:** Dr Jeff Koseff has resigned from the ISB, requesting approval of Dr. Peter Goodwin to serve on the board (information in packet).

Ongoing Tasks (continued):

4. **Performance Measures:** Continuing development of performance indicators to apply to Program Elements.
5. **Reviewing science activities in program elements:** First step: What, where, funding for science activities in program plan process.
6. **San Joaquin CALSIM II Model Review:** Started discussions with DWR to aid them in this review through the California Water and Environmental Modeling Forum.
7. **Climate Effects on Water Planning:** Started discussions with DWR to help incorporate climate change scenarios into long-term water planning/management--workshops, panels, etc. on probability modeling.
8. **PSP Update:** Continuing the Proposal Solicitation Process.

Proposal Review Schedule



PSP Priority Topic Areas

- Life Cycle Models and Population Biology of Key Species
- Environmental Influences on Key Species and Ecosystems
- Relative Stresses on Key Fish Species
- Delta Smelt–Related Projects
- Direct and Indirect Effects of Diversions on At-Risk Species
- Salmonid-Related Projects
- Processes Controlling Delta Water Quality
- Implications of Future Change on Regional Hydrology, Water Operations, and Environmental Processes
- Water Management Models for Prediction, Optimization, and Strategic Assessments
- Assessment and Monitoring

Technical Synthesis Panel Review of Proposals

Rating	No. of Proposals	Total Funds Requested (millions)
Superior	11	\$14.5
Above Average	28	\$23.4
Adequate	56	\$55.1
Inadequate	47	\$49.1

Total funds available: \$18 million

Proposal Review Schedule



IEP Pelagic Fishes Work Plan

Perry Herrgesell

DFG