

Agenda Item: 7A

Meeting Date: December 14, 2006

CALIFORNIA BAY-DELTA AUTHORITY

CONSIDERATION OF A RESOLUTION RECOMMENDING TO THE SECRETARY FOR RESOURCES THE AWARDING OF SCIENCE PROGRAM GRANTS FROM THE 2006 FOCUSED PROPOSAL SOLICITATION PACKAGE

Summary: The CALFED Science Program has completed its review of the 35 proposals submitted in response to its 2006 Focused Proposal Solicitation Package (PSP). The Technical Selection Panel requests that the Authority recommend to the Resources Agency that it approve funding for 14 proposals of the submitted proposals.

Recommended Action: The California Bay-Delta Authority adopt the attached Resolution 06-12-01, which will recommend the Resources Agency fund the Science Program recommended grants.

Background

The purpose of the 2006 CALFED Science Program Focused PSP was to invest in projects that develop new knowledge about the following four focused topic areas:

1. Environmental Water
2. Aquatic Invasive (Exotic) Species
3. Trends and Patterns of Populations and System Response to a Changing Environment
4. Habitat Availability and Response to Change

A Selection Panel comprised of agency representatives, stakeholders, and independent scientists whose combined expertise covered the breadth of CALFED issues and interests met in May 2006 to develop these four topic areas. These proposed topic areas were open for public comment and approved by the Authority in June 15, 2006 prior to the opening of the PSP. At that same meeting, the Authority also approved a rigorous technical review process the applicants would need to undergo.

The PSP was opened to applicants from June 30 to August 31, 2006 and resulted in 35 proposals, which underwent the approved technical review process that was comprised of three independent reviews by external scientists followed by a comprehensive review by a Technical Selection Panel. The role of the Technical Selection Panel was to provide final funding recommendations to the Authority based on the evaluation of each proposal's technical quality and relevance to the PSP priorities. The Technical Selection Panel consisted of technical experts whose knowledge spanned the range of

Agenda Item: 7A
Meeting Date: December 14, 2006
Page 2

topics covered by the submitted proposals. These recommendations were made available to the public for comment from November 22 through December 6, 2006.

A summary of these recommendations is included in Attachment 1 of Resolution 06-12-01. Detailed reviews for all 35 proposals are accessible through the Science Program PSP website at http://science.calwater.ca.gov/psp/psp_package.shtml

Fiscal Information

Funding Sources: Proposition 50

Term: February 1, 2007 to December 30, 2010

Total Amount: \$6 million

List of Attachments

Resolution 06-12-01

Contact

Ron Ott
Deputy Director for Science
CALFED Bay-Delta Program

Phone: (916) 445-2168



650 Capitol Mall, 5th Floor
Sacramento, CA 95814
916.445.5511 FAX 916.445.7297
<http://calwater.ca.gov>

Agenda Item: 7A
Meeting Date: December 14, 2006

CALIFORNIA BAY-DELTA AUTHORITY

RESOLUTION 06-12-01

CONSIDERATION OF A RESOLUTION RECOMMENDING TO THE SECRETARY FOR RESOURCES THE AWARDING OF SCIENCE PROGRAM GRANTS FROM THE 2006 FOCUSED PROPOSAL SOLICITATION PACAKGE

WHEREAS, the 2006 Focused CALFED Science Program Proposal Solicitation Package (PSP) is a key element to providing CALFED agencies and stakeholder community with priority information needed to support program-wide management; and

WHEREAS, the priorities, criteria and process were reviewed and approved by the California Bay-Delta Authority on June 15, 2006, (Resolution 06-06-04) which recommended that the PSP proceed consistent therewith;

WHEREAS, the recommended proposals underwent a rigorous review process resulting in proposals that are both highly relevant to CALFED needs and of very high technical quality, with a good probability of success;

NOW, THEREFORE, BE IT RESOLVED that the California Bay-Delta Authority recommends to the Secretary for Resources that the Resources Agency approve and award the grants listed on Attachment 1 to be funded by Proposition 50.

CERTIFICATION

The undersigned Assistant to the California Bay-Delta Authority does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Authority held on December 14, 2006.

Dated: _____

Julia E. Alvis
Assistant to California Bay-Delta Authority

**Science Program 2006 Focused PSP
 Technical Selection Panel Funding Recommendations**

Topic 1 - Environmental Water

#	PI	Reco Fund	Title
42	Stacey	\$390,869	A Calibration-Free Approach to Modeling Delta Flows and Transport
68	Castillo	\$670,000	An Experimental and Modeling Approach to Evaluate Environmental Water Effects on Threatened Delta Smelt
70	Torres	\$790,000	A Non-Point Source of Contaminants to the Estuarine Food Web.
3 Proposals		\$1,850,869	

Topic 2 - Aquatic Invasive (Exotic) Species

#	PI	Reco Fund	Title
26	May	\$430,870	Predicting the Effects of Invasive Hydrozoa (Jellyfish) on Pelagic Organisms Under Changing Salinity and Temperature Regimes
53	Stacey	\$200,975	The Transport and Dispersion of Rafting Vegetation in the Sacramento-San Joaquin Delta
78	Messer	\$219,822	Analysis of Archived Samples to Assess Patterns of Historic Invasive Bivalve Biomass
3 Proposals		\$851,667	

**Topic 3 - Trends and Patterns of Populations and System Response
 to a Changing Environment**

#	PI	Reco Fund	Title
22	Cloern	\$299,422	TROUBLE? Trends of Rising and Unexpected Bloom Levels in the Estuary
40	Parker	\$646,848	Climate Change Impacts to San Francisco Bay-Delta Wetlands: Links to Pelagic Food Webs and Predictive Responses Based on Landscape Modeling
84	Brandes	\$483,903	Estimating Juvenile Chinook Salmon Spring and Winter Run Abundance at Chipps Island
3 Proposals		\$1,430,173	

Topic 4 - Habitat Availability and Response to Change

#	PI	Reco Fund	Title
25	Kueltz	\$700,000	Quantitative Indicators and Life History Implications of Environmental Stress on Sturgeon
28	Guerin	\$116,927	The Consequences of Operational Decisions on Water Quality: Reconciling Delta Smelt, Salmon, and Human Needs
56	Lehman	\$150,000	Using FlowCAM Technology to Measure High Frequency Spatial and Temporal Variation in Phytoplankton and Zooplankton Species Composition and Develop State-of-the-Art Plankton Monitoring Programs
60	Messer	\$395,700	Spatial and Temporal Quantification of Pesticide Loadings to the Sacramento River, San Joaquin River, and Bay-Delta to Guide Risk Assessment for Sensitive Species
65	Dugdale	\$500,000	Do Low Phytoplankton Growth Rates Signal the "Bad" Habitat Conditions in Suisun Bay Driving the Pelagic Organism Decline
5 Proposals		\$1,862,627	

Total Proposals: 14 Total Funds Recommended: \$5,995,336