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Agenda Item: 9-8
Meeting Dates: February 9 and 10, 2005

JOINT MEETING WITH BAY-DELTA PUBLIC ADVISORY COMMITTEE

**CONSIDERATION OF A RESOLUTION APPROVING THE NOMINATIONS OF
DR. RICHARD ADAMS AND DR. WARNER NORTH
TO THE INDEPENDENT SCIENCE BOARD**

Summary: This resolution would appoint Drs. Richard Adams and Warner North to the Independent Science Board.

Recommended Action: Staff recommends that the Authority adopt the attached Resolution 05-02-01 which would continue the tradition of appointing internationally respected scientists to the Independent Science Board.

Background

The California Bay-Delta Authority Act states: "The Lead Scientist shall nominate, and the Authority shall establish, a board of independent scientists, to be known as the Independent Science Board, that shall advise and make recommendations to the Authority and the Bay-Delta Public Advisory Committee, as appropriate, on the science relative to the implementation of all program elements." The Independent Science Board (ISB) currently has 15 members. The original 13 members were nominated by the Lead Scientist and approved at the August 2003 Authority meeting. Dr. Sam Luoma and Dr. Tom Dunne were nominated by the Lead Scientist and approved as members of the ISB by the Authority at its August 2004 meeting.

The ISB was designed to be a standing board of distinguished experts (scientists and engineers) made up of individuals with a range of multi-disciplinary expertise balanced among those with local experience and those with relevant external expertise. The ISB will not pass direct judgment on the success or failure of the Authority's programs, but instead provide insights that can make the science underlying those programs, the application of that science, and the technical aspects of those programs the best they can be.

It is expected that the ISB will grow to address the additional needed expertise and that this process will occur as more programs begin to use advisory and review panels. While the ISB intends to maintain the necessary expertise to address the breadth of the issues confronting the State and federal agencies implementing the CALFED Program, the ISB also intends to be no larger than approximately 25 members total.

Discussions with the Lead Scientist and the Authority, and within the ISB, have resulted in the identification of the following disciplines as those of interest to be added to the ISB:

- Resources Economics
- Risk and Decision Analysis
- Social Geography
- Organization Design, Innovation and Change
- Environmental/Water Law

At this time, the Lead Scientist is nominating two additional individuals for consideration by the Authority as ISB members to address the first two disciplines listed above.

Dr. Richard Adams is a Professor of Agricultural and Resource Economics at Oregon State University. Dr. Adams has spent the past 20 years focusing on the interface between agriculture and the environment and will bring this expertise to the ISB.

Dr. Warner North is President and Principal Scientist of NorthWorks, Inc., and a consulting Professor in the Department of Management Science and Engineering at Stanford University. Dr. North specializes in decision analysis and risk analysis for electric utilities, petroleum and chemical industries, and for government agencies with responsibility for energy and environmental protection. The additions of Drs. Richard Adams and Warner North will add to the expertise currently found on the ISB (Attachment 1)

Fiscal Information

Funding for the ISB is part of the CALFED Science Program budget. ISB members are compensated for their time as is standard when participating on a standing board or technical panel.

List of Attachments

Attachment 1 -- Brief Biographies for Drs. Richard Adams and Warner North
Resolution 05-02-01

Contact

Dr. Johnnie Moore
Lead Scientist

Phone: (916) 445-0463

BRIEF BIOGRAPHIES OF INDEPENDENT SCIENCE BOARD NOMINEES

Dr. Richard Adams and Dr. Warner North

Richard Adams, Ph.D.

Professor of Agricultural and Resource Economics, Department of Agricultural and Resource Economics Oregon State University

Dr. Richard Adams holds a Ph.D. from the University of California, Davis and his research for the past two decades focuses on the interface between agriculture and the environment. Specific resource areas include economic analyses of climate effects on agriculture and agricultural resources, water resources management (quantity and quality), effects of environment degradation such as air quality on crops and forests, the design of regulatory policies to correct agricultural externalities, and the valuation of nonmarket goods. Dr. Adams has published over 150 journal articles, book chapters, and other peer-reviewed publications. He has served on numerous governmental panels and committees addressing agricultural and environmental issues. In the past he served in various editorial capacities for several journals including American Journal of Agricultural Economics, Journal of Environmental Economics and Management, and Water Resources Research and has served on several peer review panels including U.S. Environmental Protection Agency (USEPA) Photobiology Peer Review Panel, USEPA Air Ecology Peer Review Panel, Congressional Panel, Global Climate Change, and US Dept. of Energy Peer Review Panel on Environmental Economics. Dr. Adams has received professional recognition from the American Agricultural Economics Association, U.S. Environmental Protection Agency, Water Resources Research, and Western Agricultural Economics Association.

Dr. Warner North, Ph.D.

President and Principal Scientist of NorthWorks, Inc., and consulting Professor in the Department of Management Science and Engineering at Stanford University.

Over the past thirty years Dr. North has carried out applications of decision analysis and risk analysis for electric utilities in the US and Mexico, for the petroleum and chemical industries, and for government agencies with responsibility for energy and environmental protection. He has served as a member and consultant to the Science Advisory Board of the USEPA since 1978, and was appointed by the President to the US Nuclear Waste Technical Review Board (1989-1994). Dr. North is a co-author of many reports dealing with environmental risk for the National Research Council of the National Academy of Sciences, including "Risk Assessment in the Federal Government: Managing the Process" (1983), "Improving Risk Communication" (1989), "Science and Judgment in Risk Assessment" (1994), and "Understanding Risk: Informing Decisions in a Democratic Society" (1996).

Dr. North is a past president (1991-92) of the Society for Risk Analysis, a recipient of the Frank P. Ramsey Medal from the Decision Analysis Society in 1997 for lifetime contributions to the field of decision analysis, and the 1999 recipient of the Outstanding Risk Practitioner Award from the Society for Risk Analysis. Dr. North received his Ph.D. in operations research from Stanford University and his B.S. in physics from Yale University.



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**CALIFORNIA BAY-DELTA AUTHORITY
RESOLUTION 05-02-01**

**APPROVING THE NOMINATIONS OF
DR. RICHARD ADAMS AND DR. WARNER NORTH
TO THE INDEPENDENT SCIENCE BOARD**

WHEREAS, the California Bay-Delta Authority Act requires the Lead Scientist to nominate, and the Authority to establish, a board of independent scientists, to be known as the Independent Science Board, to provide advice and recommendations to the Authority and the Bay-Delta Public Advisory Committee on science issues related to all CALFED Program elements; and

WHEREAS, the Independent Science Board currently has 15 members, with the original 13 members nominated by the Lead Scientist and approved at the August 2003 Authority meeting, and the latter two nominees approved at the August 2004 Authority meeting; and

WHEREAS, the Lead Scientist has nominated Dr. Richard Adams and Dr. Warner North as individual experts to serve on the Independent Science Board based on, among other things, their scientific stature, advisory experience, technical publications, relevant knowledge, people skills, reputation for achieving balance, and interdisciplinary skills;

NOW, THEREFORE, BE IT RESOLVED that the California Bay-Delta Authority approves these nominees as official members of the Independent Science Board.

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 February 9 and 10, 2005.

Dated: _____

Jamie Cameron-Harley
Assistant to the California Bay-Delta Authority