Business meeting

Purpose: How Should the WRPI Be Organized?

1) Review/discuss WRPI draft Charter
   a. strengths/weakness
   b. is the Charter appropriate for the WRPI?
   c. adopt/modify/reject Charter

2) Where do we go from here?
   a. action plan
   b. outcomes
   c. timeline

ORGANIZATIONAL CHARTER
DRAFT (03.19.09)

Background and Role of Water Resources and Policy Initiatives
At the Agricultural Advisory Committee (AAC) meeting in fall 2007, committee members expressed to
Chancellor Reed their interest in seeing CSU’s extensive applied research and education strengths being
applied in the area of water resources and policy. The AAC encouraged the CSU to provide independent and
well-informed research and policy analyses on water-related issues and policies for various agencies and
stakeholder groups within the State of California. In October of 2007, the CSU Chancellor’s office surveyed
campuses to identify CSU faculty members with expertise in water-related issues and policies. More than 200
CSU faculty members with research and teaching assignments relating to water-related issues and policies
were identified.

In early 2008, California State University (CSU) Chancellor Charles Reed announced the CSU system would
begin a concerted effort by all campuses to collaborate system-wide resources on the subject of water. The
goal of this effort is to organize the vast and wide-ranging knowledge and expertise of the CSU’s 23 campuses
to concentrate on addressing California’s water challenges.

The establishment of the Water Resources and Policy Initiatives (WRPI) by Chancellor Reed is an effort to
coordinate the many resources of the California State University system to help address California’s water
challenges. The timing of this effort appears to be good as State leadership has placed a priority on
addressing the multitude of water issues. Launched on July 1, 2008, the Chancellor’s office is
supporting a half-time position for the Executive Director. The program administration is currently
housed on the campus of Fresno State.

The WRPI envisions a long-term, sustainable water supply for California, made possible through
education, research and policy development, serving agricultural, environmental and urban needs and interests.

Charles Krauter
Professor
California State University, Fresno
charles_krauter@csufresno.edu
Center for Irrigation Technology, College of Ag Sci.
Tech, Fresno, CA 93740
Professor of soil and water science in the Plant Science Dept.
College of Ag Sci & Tech. at CSU Fresno and Coordinator of Air Quality Research in the Center for Irrigation Technology at CSU Fresno.

Margaret Lang
Professor
Humboldt State University
mml1@humboldt.edu
Humboldt State University, Environmental Resources Engineering, Arcata, CA 95521
I am a Professor and licensed engineer with teaching and research interests in hydrology, hydraulics and water quality measurements and modeling. Example research interests are watershed restoration, hydrologic predictions, and natural system hydraulics.

Michael Lee
Associate Professor
California State University, East Bay
michael.lee@csueastbay.edu
220 Robinson Hall, 25800 Carlos Bee Boulevard, Hayward, CA 94542
I have 20 years of experience in water resources and watershed management. My Ph.D. is in the area of hydrology and water resources modeling. I have worked as a researcher, teacher and consultant in Central America, Africa, Australia, Europe and the United States. Since 1996, I have taught at CSU East Bay specializing in the areas of water resources and watershed management, natural resources management, and sustainable development. Prior to teaching, I worked as a conservation specialist for the East Bay Municipal Utility District and as a consultant for California water agencies on Integrated Water Resources Planning and reliability assessment.

Gary Li
Professor
California State University, East Bay
gary.li@csueastbay.edu
25800 Carlos Bee Blvd., RD 212, Hayward, CA 94542
Gary Li is a professor of geography and GIS. His teaching and research interests are in watersheds, land use planning, models, and geographic information systems. His publications appear in top level refereed journals, such as Water Resources Research, Journal of Hydrology, Catena, Earth Surface Processes and Landforms etc. He is currently conducting research on overland flow dynamics within a watershed.

Ramesh Kumar
Professor
California State Polytechnic University, Pomona
Ramesh.Kumar@csupomona.edu
3801 W Temple Ave, Pomona, CA 91768
Teach Landscape Irrigation related courses at Cal Poly, Pomona. We had the only 4 year degree program in Landscape Irrigation in the country. I along with other faculty have also been involved in research on urban irrigation issues like runoff, uniformity of distribution, PVC fittings etc.

Juneseok Lee
Assistant Professor
San Jose State University
juneseok.lee@sjsu.edu
One Washington Square, Civil & Env. Engineering, San Jose, CA 95192-0083
Dr. Lee is currently employed as an assistant professor in the Department of Civil and Environmental Engineering within San Jose State University (from 2008 fall semester). He finished his M.S and Ph.D. both from Virginia Tech. His concentration was in Environmental Water Resources Program within the Department of Civil and Environmental Engineering. His research interests include sustainable drinking water infrastructures, water energy nexus,

Karl Longley
Water Resources Coordinator, California Water Inst
California State University, Fresno
karl@csufresno.edu
6014 N. Cedar Avenue, Fresno, CA 93710
His Education includes a B.S. degree in Civil Engineering from the University of New Mexico, and a M.S. degree in Sanitary Engineering and Water Resources and a Doctor of Science degree from the Johns Hopkins University. Registered professional engineer in California and Maryland. Currently the Water Resource Programs Coordinator for the California Water Institute. Serving as a Board Member of the Central California Regional Water Quality Control Board, a position he has held for over seventeen years. Board Members are responsible for overseeing a number of activities including the development of basin plans, issuing waste discharge requirements, taking enforcement action against violators, and monitoring water quality.
The Water Resources and Policy Initiative (WRPI) marshals the capabilities and resources of the twenty-three California State University campuses to provide academic preparation, applied research, and policy development that addresses all aspects of water use. WRPI optimizes and links the many centers and programs of excellence on water issues. The scope of WRPI activities include:

- Provide critical faculty and staff based expertise to support California’s need for appropriate and sustainable water resources in the 21st century;
- Promote education, training and professional capacity development with the water industry, governmental agencies, and the wider community;
- Develop new and advanced water technologies and services that will help drive economic development and job creation.

The WRPI enhances the universities’ ability to attract exceptional students and faculty by providing a culture of collaboration and innovation within a multi-disciplinary water resources curriculum.

Key Goals

The goals listed below support the key elements in the WRPI mission. The goals reflect the CSU comparative advantage in addressing current and emerging statewide water issues. The WRPI will be a leading resource for:

- Partnerships with the water industry and government agencies – WRPI will engage a broad group of water industry stakeholders and government agencies to leverage university resources to pursue the development of “good science” from which to base decision making and emerging water policy.

- Education, training and professional capacity building – The WRPI will raise awareness on careers in water and develop academic pathways for the next generation of professionals to meet the needs of businesses, government officials, water professionals and the general public through outreach and training programs, professional capacity building, university curriculum development and formal post secondary and graduate education.

- Technology and economic development – The WRPI will provide a strong scientific base and business development support to help commercialize new ideas in water industries, services and professions in California. The outcome will be a creative climate of innovation, furthering economic growth in water technology.

Membership of the Council

All campus sites are encouraged to become active in WRPI. The initial campuses included at startup in this effort currently are described in Attachment 1.

Additional Stakeholders

The WRPI will include representatives from other CSU campuses as interest is developed. Additionally, partnerships with the California Community College System and University of California system will be explored and included where appropriate. The water industry and State and Federal agencies will also be engaged to provide additional expertise, feedback, and input, into the coordination of the water curriculum education and training programs and initiatives under development.

Steering Committee

A steering committee for WRPI will be assembled to address day-to-day coordination of organizational activities, work planning, and scheduling. The membership will be on a voluntary basis and will consist of the
Steering Committee actions will be distributed to the general WRPI membership on a regular basis and archived to the CSU Chancellor’s Office Web-site.

WRPI Education Goals
a. Assess the breadth and width of water-related programs and curriculum; including types of degrees, programs, courses and faculty that teach in these areas.
b. Improve the availability, access, quality and knowledge/skill areas in water education within the CSU system.
c. Investigate what types of education/training/degrees are still needed and what types of workforce programs will be needed in the future.
d. Strategize on how to achieve CSU education and learning objectives.

WRPI Research and External Grants Goals
a. Identify common areas of faculty research and devise a mechanism to coordinate them for greater research collaboration.
b. Work closely with Federal, State and other agencies to identify areas of common interest and grant/contract opportunities linking programs and projects with the CSU.
c. Promote system-wide and multi-campus consortia grant applications and collaboration for basic and applied research.

WRPI Medium and Long-Term Goals
a. Create a multi-campus organizational structure for a CSU-wide emphasis on water curriculum.
b. Develop a management/administration platform for WRPI programs.
c. Develop an outreach plan to the water industry, environmental groups and other stakeholders actively engaged in water issues and include them in the process as desired/needed.
d. Provide outreach to/with committed campus presidents.
e. Encourage individual campus presidents committed to a multi-campus WRPI program to serve as “ambassadors” to other, not yet engaged in the effort.

f. Identify, discuss and determine if, and which state and federal certifications/accreditations might be applicable to the WRPI effort.
g. Create collaboratively developed core courses.
h. Create a business continuity model (including funding).
i. Develop a Strategic Plan across the CSU - and include the CCC and UC systems - to address the best design to maximize education across an integrated university system.
j. Create unique (international) approaches to expanding the role of WRPI.

Meeting Schedule, Notification, and Communication
a. Encourage the full WRPI membership to meet at least once annually.
b. Develop ad-hoc topic-specific project teams and Subject Matter Expert (SME) groups from interested campuses on relevant subjects and develop the membership as needed.
c. WRPI members and the appropriate stakeholders will receive meeting minutes, updates, and drafts according to the WRPI Work Plan schedule (to be developed by the Steering/Planning Committees and General Membership).

Guiding Principles and Ground Rules
a. Multi-party collaboration allows for a stronger and more coordinated CSU water focused curriculum. All member faculty, stakeholders, and campuses have a critical voice in the process.
b. Education is the key to understanding; when a challenging issue appears, explanation is encouraged—even if it takes time to work through.
Brian Currier  
Research Engineer  
California State University, Sacramento  
brian.currier@owp.csus.edu  
6000 J Street, Modoc Hall, 1001, Sacramento, CA 95819  
Brian Currier holds B.S. and M.S. degrees in Environmental Engineering from the University of California, Davis, and is a California-licensed Professional Engineer. He performed a survey of NPDES costs for the State Water Resources Control Board and served on the Blue Ribbon panel convened to consider the feasibility of numeric effluent limits. Brian has been involved in Caltrans stormwater research since 1997. He is currently a research engineer with the Office of Water Programs at California State University, Sacramento.

Ed Dammel  
Associate Professor  
California State University, Sacramento  
dammel@ecs.csus.edu  
Department of Civil Engineering  
6000 J Street, Sacramento, CA 95819  
Ph.D. in environmental engineering at UC Davis in 1997, dissertation examined biodegradation of TCE using nitrifying bacteria. Completed a one-and-one-half-year post-doc helping Caltrans with stormwater quality issues. I have been a faculty member in the Department of Civil Engineering at California State University, Sacramento since 1997. I teach environmental engineering at both the undergraduate and graduate levels. Current interests include bringing state of practice issues related to water into the curriculum.

Shawnna Dark  
Associate Professor  
California State University, Northridge  
shawnna.dark@csun.edu  
Geography Dept.  
18111 Northhoff St., Northridge, CA 91330-8249  
I am a professor in the Department of Geography. I teach courses in GIS and Environmental Geography. I recently have been involved in a variety of wetland based projects, the biggest of which is a project with SCWWRP and USFWS to map wetlands along the coast of southern California. I hope to continue to find and fund projects to educate my students about water resource issues in southern California.

Philip Garone  
Assistant Professor  
California State University, Stanislaus  
PGarone@csustan.edu  
Department of History, C118K Biznitz Hall,  
Turlock, CA 95382  
My area of specialization is Environmental History. I completed my Ph.D. in History and an M.S. in Ecology at the University of California, Davis. My current research is an ecological History of wetlands in California’s Central Valley, the importance of those wetlands to migratory waterfowl of the Pacific Flyway, and the ways in which the fate of California’s wetlands has been intrinsically tied to the state’s water development projects. I am completing a manuscript on this subject for the University of California Press, entitled The Fall and Rise of the Wetlands of California’s Great Central Valley.

Rich Gossett  
Director, IRRMES  
California State University, Long Beach  
grgossett@csulb.edu  
1250 Bellflower Blvd, Long Beach, CA 90840  
I have 32 years of experience in the environmental chemistry field. I have recently taken the position of Director at the Institute for Integrated Research in Materials, Environment, and Society (IRRMES) at CSULB. Prior to that I owned and operated a private environmental laboratory for 13 years, supervised the organics laboratory at Orange County Sanitation Districts for 5 years, and did research into the fates and effects of waste disposal in the ocean at the Southern California Coastal Water Research Project for 14 years.

Ed Dammel  
Associate Professor  
California State University, Sacramento  
dammel@ecs.csus.edu  
Department of Civil Engineering  
6000 J Street, Sacramento, CA 95819  
Ph.D. in environmental engineering at UC Davis in 1997, dissertation examined biodegradation of TCE using nitrifying bacteria. Completed a one-and-one-half-year post-doc helping Caltrans with stormwater quality issues. I have been a faculty member in the Department of Civil Engineering at California State University, Sacramento since 1997. I teach environmental engineering at both the undergraduate and graduate levels. Current interests include bringing state of practice issues related to water into the curriculum.

Brad Finney  
Professor, Environmental Engineering  
Humboldt State University  
brad.finney@humboldt.edu  
1 Harp Street, Arcata, CA 95521  
Brad A. Finney is professor of Environmental Resources Engineering at Humboldt State University in Arcata, California. He received his MS and Ph.D. in Civil and Environmental Engineering from Utah State University. His research and consulting expertise includes surface and groundwater modeling, constructed wetlands for wastewater treatment, wastewater facility planning and management, and the optimal management of water resources systems.

Dave Gooraho  
Assistant Professor  
California State University, Fresno  
dgooraho@csufresno.edu  
2415 E. San Ramon Ave. Department of Plant Science,  
Fresno, CA 93740  
I am currently an assistant professor in the Plant Science Department and a Soil Scientist with the Center for Irrigation Technology (CIT) at California State University, Fresno. I teach courses in Food-Society and Environment, Vegetable Production, Organic farming and oils in the Environment at the Undergraduate level and course in related to Soil-Plant-Water and Energy interactions at the graduate level. My AgEnviro research focuses on nutrient and water use efficiency in vegetable crop production systems with an emphasis on examining the impact of agricultural practices on the environment.

Major Near-Term Milestones  
A CSU list serve will be used as a key communications vehicle to engage dialog and transmit information to all WRPI participants. Further, a CSU-wide WRPI conference will be planned and conducted in June of 2009 at the Chancellor Office in Long Beach. The outcome of the conference will be an improved understanding of the role of the WRPI and how faculty actions will govern its future.

Assumptions  
The evolution of the WRPI will require close coordination with all related faculty and CSU programs engaged in water. As programs and issues evolve around California’s water future, the charter will be updated as needed through majority approval of the current general WRPI membership.

ATTACHMENT 1: WRPI Membership roster  
WRPI - CSU CAMPUSES  
(Initial guidance and support provided by the President’s Oversight Committee)  
- Dr. John Welty, California State University, Fresno  
- Dr. J. Michael Ortiz, Cal Poly, Pomona  
- Dr. Warren Baker, Cal Poly, San Luis Obispo  
- Dr. Albert K. Karrig, California State University, San Bernardino  
- Dr. Rolin C. Richmond, Humboldt State University

c. All issues raised by WRPI members are valid and will be given due attention; respecting all individual, group, and campus perspectives will be paramount.
d. Arrive promptly to all meetings/onto calls, prepared with the meeting agenda.
e. Stay for the duration of the entire meeting call.
f. Minimize actions that could be distracting to WRPI participants. Stay focused on joint business for the benefit of the full group.
g. Participate in a problem-solving approach based on respectful and constructive dialogue, where the interests of all participants are considered in developing proposals and recommendations.
h. Openly discuss issues with others who hold diverse views; acknowledge and seek clarification of others’ perspectives; and verify assumptions when necessary.  
Assure that all participants are heard and that one person speaks at a time. Refrain from side conversations.
i. Keep commitments once made.

When appropriate, distinguish between personal vs. organizational perspectives (i.e. for an organization that a member represents).
k. Finally, it is always better to form and present questions in the positive (e.g. why did you choose a particular action vs. what the heck were you thinking?)!

Internal Decision Making of WRPI  
a. Consensus-based decisions will be pursued at all times.
b. If unable to reach consensus on a matter of critical and immediate importance to the project, majority vote will be required—with objections noted if requested.
c. WRPI organizational decision-making and policies are intended as advisory to the Chancellor’s Office for WRPI education, training, and research initiatives.