

CALIFORNIA WATER AND ENVIRONMENTAL MODELING FORUM

Draft  
MINUTES OF THE ANNUAL BUSINESS MEETING  
2007

General Membership Meeting of Feb. 27, 2007

(Fred Farr Room, Asilomar Conference Grounds in Pacific Grove, California.)

Decisions	<ul style="list-style-type: none"><li>• Increase alliance with CALFED</li><li>• Make modeling output more easily understandable to decision-makers</li></ul>
Motions	<ul style="list-style-type: none"><li>• None</li></ul>
Action Items	<ul style="list-style-type: none"><li>• Modeling Protocols document revision</li><li>• Strategic Framework document revision</li></ul>
Parking Lot Items	<ul style="list-style-type: none"><li>• None</li></ul>
References Handed Out	<ul style="list-style-type: none"><li>• Strategic Analysis Framework document</li></ul>

8:15AM

1. **WELCOME/CALL TO ORDER** – K.T. Shum opened the meeting. A quorum was declared, with 45 persons in attendance. The agenda was reviewed.

2. **SECRETARY'S REPORT** – The minutes of the 2006 CWEMF Annual Meeting passed unanimously.

3. **TREASURER'S REPORT** – Lisa reported that there is \$60,972 in the General Fund, and \$8,700 in the Peer Review Fund.

4. **OFFICER'S ELECTION** – The following officers were elected for 2007:

Tara Smith – Convener  
Paul Hutton – Vice-Convener  
Lisa Holm – Treasurer  
George Nichol – Secretary  
K.T. Shum - Past Convener

5. **LETTER OF APPRECIATION** – A letter of appreciation was presented to K.T. Shum for his two years of outstanding service as Convener of CWEMF.

6. **ACTIVITIES PLANNED FOR 2007** –

- More Workshops

- Modeling Protocols document update
- Delta Modeling Review
- IWFM Peer Review
- Strategic Analysis Framework document update

7. **IWFM Model** (formerly IGSM) - It was mentioned that the Integrated Water Flow Model (IWFM) is an engine, not an application. It was developed by DWR for jointly handling surface water and ground water. Its purpose is to support CALSIM-III, and will share a common database. This model was developed using the CWEMF Modeling Protocols document as a guide. The model has good transparency. Butte and Solano Counties are now using the IWFM model.

8. **MODELING PROTOCOLS REVISION** – The CWEMF has three documents pertaining to model development and applications, and these are (a) Modeling Protocols, (b) Modeling Peer Review, and (c) Strategic Analysis Framework. The Modeling Protocols document is now being revised. Suggestions are now being sought for this revision. Volunteers are now needed to write various sections, through a distributed work process. Periodic meetings will be held over the next 12 months to pull the pieces together. This document should list the reviews of models that have been made (the peer reviews made by CWEMF). A target date for finishing this revision is February 2008, so that it can be presented at the 2008 annual business meeting for consideration for adoption. At today’s meeting it was decided to write this document for a wide audience.

9. **PLANNING FOR 2007** –

- Biological Modeling** - More biological modeling input is needed. The upcoming river restoration works will use biological modeling.
- Students** - Increase outreach to students.
- Steering Committee** - Everyone is welcome to come to the Steering Committee meetings.
- New Reservoirs** - The Governor has proposed some new reservoirs. Should we have a workshop of these? Are our model systems prepared to deal with new reservoirs?
- Climate Change** – Are our current models able to deal with climate change?
- Beyond Modeling** - Our models are getting stretched into new areas. So we need low resolution models to allow for this stretching.
- Proactive** - How can we be proactive rather than reactive?
- Value-Added Activities** - How can CWEMF add value to what is going on?
- Responsibility** – Don’t evade responsibility.
- Technical Challenges** – Jeff Mount, in his previous evening’s speech, discussed the need for both low resolution models whose results could be quickly obtained and easily understood by decision-makers, and sophisticated models with results that can be easily demonstrated to decision-makers through simple diagrams or animation. Systematic methods are needed in both areas. How can we accomplish this? He described the “flat earth” approach taken by some who present their results without sufficient backing, but who do it in an easy demonstratable manner so that it is believable. There was some discussion on having a workshop on this topic in 2007. Decision-makers in various agencies are increasingly recognizing the valuable products produced by CWEMF.
- DWR Workshop** - DWR will think about having a workshop on how all of the technical work should come together. DWR will tell CWEMF how we can help them. (The ED

mentioned that there had been a previous proposal last year for a workshop to have agency heads come and tell what their modeling needs are.)

- l. **Alliance** - An alliance was discussed between CWEMF and the CALFED Science Advisors.
- m. **Real Time Forecasting** - The need for real time forecasting versus planning with models was mentioned. Will simple regression relationships work for real time forecasting? The San Joaquin River Settlement Agreement may allow for this.
- n. **Strategic Analysis Framework document** – How should we respond to Jeff Mount on this? (Include what Jeff Mount said about the document that requires response. Was it that it did not allow for low-resolution models?) One suggestion was to write a 4-5 page frontal section to the document, saying to CALFED that we are here to help. This is something that could be done by September. Another suggestion was for Rich Juricich to get together with Jeff Mount and lay out a game plan for the changes needed.
- o. **IWFM** – Francis hoped that a peer review could be done this year, as several counties are now using the model.
- p. **Working with CALFED** – It was suggested that CWEMF have a meeting with Joe Grindstaff, with a prepared agenda, on how we might best work with CALFED.
- q. **Peripheral Canal Workshop** – This workshop was suggested. Spreck mentioned the possibility of helping on such a workshop.

10. **ADJOURN** – 10 AM

Respectfully Submitted,  
George Nichol, Secretary, CWEMF

**ANNUAL MEETING ATTENDANCE (45 persons)**

NAME	ORGANIZATION
Michael Deas	Watercourse Engineering
George Nichol	SWRCB
Nigel Quinn	LBNL/USBR
Walter Bourez	MBK
Stacy Tanaka	UCD
Adam Schneider	DWR
Michael Mierzwa	DWR
Tara Smith	DWR
Lee Bergtell	MBK
Don Easton	MBK
Francis Chung	DWR
Jay Lund	UCD
Lisa Holm	CBDA
Paul Hutton	MWD
K.T. Shum	EBMUD
Rich Satkowski	CWEMF
Joseph Terry	USFWS
Marianne Guerin	CCWD
Sushil Arora	DWR-BDO

Tariq Kadir	DWR-BDO
Peter Vorster	Bay Institute
Dianna Jensen	David Ford Consulting Engineers
Tim Magee	CADSWES, Univ. of Colo.
Ted Swift	DWR-MWQI
Jim Martin	CVRWQCB
Rich Juricich	DWR
Khalid Ameri	DWR
Bill McLaughlin	DWR
Bruce McGurk	SFPUC
Hubert Morel-Seytoux	Hydroprose
Richard Denton	CCWD
Charlie Brush	DWR
Will Betchart	Jack Benjamin Assoc.
Simm Kwan	DWR-BDO
Gordon Thrupp	Geosyntec Consultants
Spreck Rosekrans	Environmental Defense
Ken Loy	West-Yost Assoc.
Derick Loure	DWR
Ben Bray	EBMUD
Michael Tansey	USBR
Ali Taghavi	WRIME
Jeffrey Payne	MWH
Steve Seville	Jones & Stokes
John DeGeorge	RMA
Maurice Roos	DWR (retired annuitant)