

CALIFORNIA WATER AND ENVIRONMENTAL MODELING FORUM

MINUTES OF THE ANNUAL BUSINESS MEETING 2017

General Membership Meeting of March 21, 2017

(Cliffside House, Folsom, Calif.)

Key Items	- Elaine Archibald will be retiring as Executive Director on June 30, 2017.
Motions	-
Action Items	- Let the Steering Committee know of any special projects that should be worked on – General membership - Let the Steering Committee know of changes and upgrades that may help the new website – General membership
Parking Lot Items	-
References Handed Out	- Copies of the 2016 annual meeting minutes

Start 5:30 PM

1. OPENING BY CONVENOR – The Convener Josue Medellin opened the meeting. A quorum was declared, with 53 persons in attendance, as follows:

- Consultants - 23
- University – 8
- DWR - 6
- SWRCB - 5
- USGS- 3
- USBR- 2
- Retired, other 2
- CCWD 1
- EBMUD 1
- MET 1
- Solano Co. Water 1

The agenda was reviewed.

2. SECRETARY’S REPORT - The minutes of the 2016 CWEMF Annual Meeting were reviewed and passed unanimously.

3. TREASURER’S REPORT – Over the half year (July 1, 2016 - Jan. 1, 2017) we had an income of \$52,423 and expenses of \$52,423, for a net income of (-\$6,060). We expect a positive

income year when we add in the income from the annual meeting. We have about \$150,000 in our total bank accounts. Some of this money will be spent on future special projects that are identified in our Strategic Plan. If any member has suggestions for future special projects please let the Steering Committee know.

4. VICE-CONVENORS REPORT – Tariq gave the following presentation regarding the workshop activities over the year:

a. Workshops Completed Since the 2016 Annual Meeting:

- C2VSIM (California Central Valley Simulation Model) – 31 attendees
- IWFM (Integrated Water Flow Model) – 25 attendees
- MODFLOW-OWHM – 36 attendees
- PEST (Model-Independent Parameter Estimation and Uncertainty Anal. – 17 attendees
- NHD-Plus GIS Training (National Hydrography Dataset)- 130 attendees
- METRIC (Mapping Evapotranspiration at High Resolution with Internalized Calibration - 28 attendees

b. Planned Workshops

- IDC (IWFM Demand Calculator) Aug. 2017
- IWFM (Integrated Water Flow Model) Sep. 2017
- MODFLOW-OWHM Oct. 2017

c. Workshops In The Conceptual Stage

- Natural Flows and Unimpaired Flows (in cooperation with Delta Stewardship Council)
- CalLite and CalSim (in cooperation with DWR)
- Measurement and Data Issues (in cooperation with Bay Institute)
- Surface Water-Groundwater Interaction (in cooperation with HydroProse, DWR, USGS)
- Complex Behavioral Modeling and Hydrodynamic/Water Quality Modeling (in cooperation with EBMUD and USBR)

5. EXECUTIVE DIRECTOR’S REPORT –

a. We published the Proceedings of the last annual meeting. Eight people sent in papers for the Proceedings. We hope for more this year. Our goal is to have all future speakers have short papers on our web site’s Proceedings.

b. Our Strategic Plan had as a special project to update our website. This has been done. Our new web site will be launched next week. Give us feedback so we may improve it. The website was prepared by the DWR webmaster at a cost very favorable to us (approx. \$5,000)

c. We have a white paper on our website of the Integrated Modeling Workshop of 2015. This paper has been submitted to the San Francisco Estuarial Journal.

d. We had a representative attend the International Association of Great Lakes Research (IAGLR) Annual Meeting in Canada in June. This organization oversees modeling and monitoring, as well as other water and environmental conditions, in all of the Great lakes, in both the U.S. and Canada, and is very research oriented.

e. Another potential special project is to develop a white paper on model dimensionality needs when modeling hydrodynamics and salinity conditions in the Delta. When and under what situations should 1-D, 2-D, and 3-D models be used. What are the best models and best tools to

handle dimensionality considerations? We may hire a consultant to scope out the effort needed to develop this white paper.

f. A continuing and growing question is how does one integrate hydrodynamics and fish survival in the Delta? How can CWEMF work with IEP on this effort? The IEP is interested in fish, while the CWEMF is interested in modeling. How can modeling support fishery survival efforts? Fish behavior is currently being tracked by particle tracking in models. We should ask Steve Culberson of IEP to come to a CWEMF meeting and give a talk on fishery problems in the Delta as they relate to hydrodynamics. Perhaps we should have a joint session with IEP on this matter.

g. Some upcoming work is to update our peer review policy.

h. Thank you to the sponsors for their support of the social sessions, lunches, and poster boards. This made our annual meeting more enjoyable and kept our costs down. The sponsors were:

- CBEC
- CH2M
- ICF
- LimnoTech
- Larry Walker and Associates (LWA)
- MBK
- Pacific Agroecology LLC
- RMA
- RMC Water & Environment
- TetraTech
- Watercourse Engineering

6. **ELECTIONS** – The following persons were elected as officers for the upcoming year (July 1, 2017 to June 30, 2018):

Convener – Tariq Kadir, DWR

Vice-Convener - Shyamal Chowdhury, Wood Rogers Co.

Treasurer, Stacy Tanaka, Watercourse Engineering Co.

Secretary, George Nichol, Retired (Corps, SWRCB)

Josue Medellin will serve as Past Convener

7. **ADJOURN** – 6:00 PM

Respectfully Submitted,
George Nichol, Secretary, CWEMF

ANNUAL MEETING ATTENDANCE (53 persons)

NAME	ORGANIZATION
OFFICERS	
Josue Medellin /	UCD, Convener
Elaine Archibald /	CWEMF Executive Director
Tariq Kadir	DWR
Ben Bray /	EBMUD, Past Convener

Stacy Tanaka /	Watercourse Engineering, Treasurer
George Nichol /	Corps/SWRCB, retired, Secretary
DWR	
Tara Smith /	DWR
Can Dogrul /	DWR
Romain Maendly /	DWR
Eli Ateljevich /	DWR
Ted Swift	DWR
SWRCB	
Rich Satkowski	SWRCB
Valerie Zimmer	SWRCB
Will Anderson	SWRCB
Chloe Liu	SWRCB
Austin Hall	SWRCB
USBR	
James Gilbert	USBR
Nigel Quinn	USBR
USGS	
Jan Traum /	USGS
Scott Boyce	USGS
Randy Hanson /	USGS
UNIVERSITIES	
Laura Foglia	UCD
Bill Fleenor	UCD
Stephen Maties	UCD
Steffen Mehl	CSUS
Mehdi Ghasemizade	UCD
Rob Sherrick	CSUS
Bob Gailey	UCD
OTHER GOVERNMENT AGENCIES	
Chuching Wang	MWD
Thomas Pate	Solano Co. Water Agency
Rose Wang	CCWD
CONSULTANTS	
Walter Bourez /	MBK
Marianne Guerin	RMA
Steve Micko	CH2M

Tad Slawecki /	LimnoTech
Hubert Morel-Seytoux /	Hydroprose
Mesut Cayar	RMC, a Woodard and Curran Co.
Shyamal Chowdhury	Wood Rogers
Patrick Hubbard	Aqueous Pathfinding
Om Prakash	WEST Consultants
Gordon Thrupp	Geosyntec Consultants
Paul Hutton	Tetra Tech
Alvar Escrivia	EPIC
Anne Huber	ICF
Dominick Amador	RMC, a Woodard and Curran Co.
Frank Qian	RMC, a Woodard and Curran Co.
Brian Van Lienden	RMC, a Woodard and Curran Co.
Ai-Ling Jiang	RMC, a Woodard and Curran Co.
Russ Brown	ICF
Tom Fitzhugh /	MWH
Matt Baillie	Amer. Foster Wheeler
Sujoy Roy	Tetra Tech
OTHERS	
Steve Archibald	CWEMF Volunteer