

California Environmental Education Interagency Network Meeting



Date: February 16, 2012, 9:30-11:30 AM
Location: Training Room 2 East & West, Cal/EPA, 1001 I Street, Sacramento
Meeting Leader: Annie Kohut Frankel
Note Taker: Michelle Robinson

In Attendance:

Michelle Robinson, DWR
Ed Wong, ARB
Bryan Ehlers, Cal/EPA
Annie Kohut Frankel, Coastal Commission
Anne Stephens, CDE
Kay Antunes, CalFIRE (Call in)
Carolyn Kolstad, US Fish and Wildlife Service (Call in)
Chris (Call in)
Judy Nottoli, ARB
Mary Stokes, State Parks
Delanie Farnham, ARB
Craig Strang, LHS (Presenter)

9:30 Welcome, Agenda review

9:50 Approval of January Minutes – Approved
For future reference, approved minutes should be marked “final” on electronic version.

Action Item Update:

- Anne Stephens will send Oct. 2011 minutes to Jason Morris, NatureBridge
- All: Give Bryan Ehlers input on EEI interview questions for teachers
- Ed Wong will send an update about CSTA short courses.
- Ed will send a link to the Clean Technology Academies information.
- All: Sign up to lead or take notes at meetings in 2012.
- Kay to send final Oct. minutes to Anne (move to action items at end of minutes)
- Bryan Ehlers – feedback for framework evaluation for teachers will be accepted until next week. (move to action items at end of minutes)
- CSTA short courses – (Ed) CSTA will evaluate our proposal for short courses after all are submitted. Workshop proposals are due on March 6.
- Meeting schedule still needs spots filled.

9:55 Committee Reports:

Administration - Kay

- CEEIN Meeting List for 2012 (Annie)
- CEEIN MOU (Bryan and Jim) – Nothing new, still needs to have more conversation with resources agency about the MOU.

Communications – Michelle

- Green Technology Conference tabling (Anne) – April 26-27, 2012. 26th – general environmental education in California info will be presented; 27th – CREEC coordinators work with OEE staff to do EEI breakouts. Coordinators were interested in CEEIN tabling at the event during lunch.
- NAAEE Conference (Kay) – October 2012 in Oakland.

- CEEIN presentations/workshops:
www.naaee.net/conference/call-for-presentations
- Carolyn Kolstad is planning on running fieldtrips for the conference, but has not seen announcement for fieldtrips or workshops yet.
- Kay Antunez –according to website, proposals are due March 16. We should start organizing materials now, even though call for proposals hasn't been released yet. Two past CalFire presentations showcased organizations they work with. Kay recommends CEEIN showcase environmental ed in California (CREEC, etc.)

Leadership, Legislation, Diversity –Anne

- Environmental Literacy Blueprint. Did not meet this month. Emphasis is on STEM and STEM taskforce. Nothing is on paper yet, nor scheduled, however it is moving forward. Plan vs. Blueprint – “plan” indicates money, “blueprint” indicates guidelines. Blueprint will give Foundations that California is more on the same page with them as opposed to the scattered approach currently in place. Bechtel Foundation is coordinating with other Foundations to fund the creation of the Blueprint.

10:15

Guest Speaker:

Craig Strang, Lawrence Hall of Science, COSEE CA, NMEA President-Elect

- Lawrence Hall of Science is part of the Nature Bridge Collaborative, Also has money from Bechtel Association to develop BEETLES program.

-Presentation: Ocean Sciences and the Next Generation Science Standards: July 2011 – Framework for K-12 Science Education released by National Research Council of the National Academies of Science. It is building on the National Science Education Standards (Evolutionary not revolutionary, in theory).

- Ocean Literacy and the Framework – March 2010, Scope and Sequence released. Draft Framework released in July 2010. 35 Ocean Scientists and Educators drafted a single 18 page response. Unified response submitted to NRC separately by at least 65 individuals and 33 organizations/agencies/universities. Most comments and suggestions were incorporated, the ocean sciences community was called out in Appendix A.
- Notable Features: Addresses the Mile Wide/Inch Deep Problem; Fewer big ideas arranged as progressions of learning; Engineering, Technology and Applications of Science is Elevated; Ocean, Climate and Earth Systems Science are in.
- Notable Features, processes: “Inquiry” and “Science Processes” are re-defined as Scientific and Engineering Practices.
- Next Generation Science standards: Confidential 1st Draft released to 26 Lead State Teams Jan. 30, 2012. Review by Critical Stakeholders in March 2012. Public review also in March 2012.
- Ocean Literacy and the NGSS: NMEA and COSEE are a Critical Stakeholder representing the Ocean Literacy Campaign; Providing “guidance” to lead state teams in 2 open letters (mostly well received, no so much by CSSS); will submit own critical stakeholder review; will rally troops for the public review.

- Hopes: Science is back; dismantling of elementary science is over; CCSS and next generation science standards represent a cultural shift in teaching/learning from an era of memorizing to an era of thinking; seamless strategic, synergistic integration of science and language arts results in deeper conceptual understanding of complex ideas; ocean and climate sciences are part of the regular mainstream K-12 curriculum; students use knowledge of science and engineering to improve their lives, solve societal problems and make the world a better place.

Standards will be released in final form by ACHIEVE by end of year 2012, they will be presented to California in March 2013. 3 month window will be used to obtain comments, etc. Public review will happen after March 2013.

10:45 Education and the Environment Initiative Update) – Bryan

- EEI curriculum evaluation. Funding from Bechtel to initiate the stakeholder process. 1st part of the process started this week. Monday's conversation included 20+/- people from the administration community, informal provider community and foundation community. Question discussed was "how does EEI relate to what is going on in the state of California?" CalEPA needs to relate the value of EEI to interested parties. Other questions included "what does EEI look like in implementation", "to what degree are teachers feeling supported", "how does it manifest itself in classrooms", "how does it relate to student's actions", etc. Hope is that this will help achieve a framework of commonality (what other's will find useful). CalEPA is trying to form better relationships with outside organizations through the commonality between their respective messages.
- A document from consultant summarizing meetings will be available to view.
- Pisces Foundation funding used to work with Stanford – look at EEI and assess what EEI promotes as "good environmental practices" and determine weaknesses and gaps. The gaps will provide guidance in creating partnerships/relationships with outside organizations.
- CREEC teacher trainings – very successful, however OEE is having difficulty keeping up with the demand for printed materials.
- Anne – Laurel Powell (region 4 CREEC coordinator) received the Honda grant for \$60K to incorporate EEI into outdoor schools in her region. San Mateo County Office of Education will be the fiscal agent for the grant.

11:00 New Business:

11:15 What's New in Your World?

- Kay – USEPA Education budget for next fiscal year looks bleak (per e-mail from Sharon Jang).
- Anne- CREEC coordinators are working with Brian Brown to combine EEI units with Project WET. Combined trainings have been very popular. 3 CREEC coordinators are now working closely with Universities (Humboldt State, Sonoma State and CSU Monterey Bay).
- Mary – Parks has EEI correlations with some of their programs online. Active links matrix almost ready for launch.

- Michelle – CREEC Kits, Brochures, WEC website, WEC meeting plans underway.
- Ed- ARB will have event at March 10th SMUD event (is an electric vehicle right for you). CalEPA Earth Day on April 19th.
- Judy –The Climate Generation Program, a climate action project-based competition for high school students, is accepting project reports until April 2, 2012. Specific information on the program can be found on our [CoolCalifornia](http://www.coolcalifornia.org) website at: <http://www.coolcalifornia.org/climate-generation>. To find EEI high school units that address climate change and may be helpful in designing and implementing a climate action project, click here: <http://www.coolcalifornia.org/eei>.
- Annie – Whale Tail Grants just approved, examples of funded programs are listed on the website. Competition this year was very competitive. K-12 Art and poetry contest underway. Workshops last month in San Diego and Walnut Creek. April workshop scheduled at the Bay Model.

11:20

Meeting Wrap-Up/Clarify Action Items: