To: Michigan Tech Center for Water & Society Advisory Committee
From: Noel Urban, Director of Michigan Tech Center for Water & Society
Date: February 13, 2012
Subject: February 13, 2012 Michigan Tech Center for Water & Society Advisory Committee Meeting

The Michigan Technological University Center for Water & Society (MTCWS) Advisory Committee (AC) met February 13, 2012 at 10:00 am in the Dow Environmental Engineering & Sciences room 875. The purpose of this memo is to describe the results of the meeting.

Committee Members Present:

- Noel Urban, Director
- Brian Barkdoll, Civil & Environmental Eng.
- John Gierke, Geological & Mining Engineering & Sciences
- Tom Pypker, School of Forest Resources & Environmental Science
- Daya Muralidharan – School of Business and Economics
- Amy Marcarelli – Biological Sciences
- Carol MacLennan – Social Sciences
- Colin Brooks – MTRI
- Joan Chadde – Western UP Center for Science, Mathematics & Environmental Education
- Carol Asiala, CWS administrative assistant

Attachments: Noel’s presentation in PDF format

1. Review of fall activities

- 12 proposals submitted;
- 2 proposals funded – Amy Marcarelli & Casey Huckins, USFS; Robert Handler & Nancy Auer C2E2;
- Supported 4 seminars (3 GLRC, 1 CEE);
  - Christine Manninen, GLIN, September 2011
  - Dave Dempsey, IIC, October 2011
  - Val Klump, Univ of Wisc, November 2011
  - Jack Kelly, EPA, December 2011
- 4 Research grant applications, 1 travel grant application;
- Revised email newsletter, web page;
- Noel Urban attended the SOLEC conference in Erie, PA in October 2011;
2. Budget update

CWS has spent far less than the anticipated budget so far in 2011-12 (Actual expenses as of 2/3/2012 were $8,794, the planned 2011-12 budget was $63,000). The CWS activities planned for Spring 2012 will fulfill most of the commitments made in the Fall.

Spring Activities

3. Seminars, student awards

- 4 research grants were submitted (3 approved and awarded)
- 1 travel grant was submitted, approved and awarded
- Planned seminars for spring -
  Sue Bagley's request for support for Daniel Wainright was approved.
  So far this Spring, 2 other proposals will be considered (Michelle Banonis, Bureau of Reclamation, Dept. of Interior and Dr. Alan Weidemann, Office of Naval Research).

4. REF proposals

CWS will submit an REF equipment proposal. There are several possibilities:

- Rapid Solvent Extraction system,
- ADCP on the Agassiz,
- Sievers low-level DOC
- GLRC equipment,
- 018 & deuterium analyzer (already partially funded by ESC – an REF proposal to fund the balance will not be accepted)
- Other equipment from SFHI candidate startup lists that is important to Michigan Tech

5. World Water Day

- Date: March 22, Thursday
- Poster judging (will be recruiting poster judges)
- Poster Session & reception -3-5 p.m., Dow Atrium, campus-side
- Speaker –Lana Pollack, 5:30-6:30, EERC 103
- Reception: 6:30
- Dinner with a small group and Lana Pollack

6. External Newsletter

Started plan for external CWS newsletter. Requesting CWS advisory committee members to make suggestions for content and places the newsletter should be sent to. Planned topics include:

- Description of Center
7. SFHI – GLRC candidates, start-up contributions
CWS will consider providing up to $20,000 in SFHI start-up contributions

8. Large proposals
Noel Urban, Amy Marcarelli (Spring), Carol MacLennan, John Gierke (Summer) will serve on a CWS subcommittee to look at more details of funding opportunities that match CWS interests. Need input from people familiar with the funding programs.

Besides Noel’s slides, SEES planning grant was also mentioned

9. CUAHSI Membership
Consortium of Universities for the Advancement of Hydrologic Science
Discussed the benefits of joining CUAHSI.

Action:
Noel requested that Dave Watkins and Alex Mayer give their opinions on whether Michigan Tech should join CUAHSI. Noel sent Dave and Alex’s comments to the advisory committee asking for the committee’s approval to pay $1000 of the application fee and the $200 annual fee. Civil & Environmental Engineering has agreed to provide $300 of the application fee, and Geological & Mining Engineering & Sciences will provide the remaining $700.

10. GLRC Outreach Planning
Joan Chadde is working to collaborate with Michigan Tech faculty and researchers to formulate a 5-year outreach plan for the GLRC.

Joan has a list of planned events for this year

May 2012 - Youth Symposium
June 2012 - Great Lakes summer camp
June 2012 - Ecology of Great Lakes Teacher Institute
October 2012 - Water Festival
Green Film Series
The first 2-3 hour planning meeting will be planned for the middle of April which will include faculty that represent the departments and centers/institutes, such as CWS, ESC, Isle Royale Institute, EPPSI, SFI. This meeting will be structured with a facilitator (Valorie Troesch?) Format of meeting could include 2-slide presentations of ideas. Topics covered will include:

- Who will the outreach be targeted to? (k-12, Policy makers, adult community?)
- What types of events should be held? And what time frames? (annual events?)

Joan’s thoughts prior to CWS meeting:

“I would like to have MTU-CWS host a "campus-wide and beyond" meeting for March at MTU. I would invite folks on campus with an interest in education/outreach and/or the Great Lakes. Some potential invitees are: Marty Auer, Brad Baltensperger, Alex Mayer, Steve Patchin, Sarah Green, Jennifer Becker, etc. The invitation could be sent to all CWS members and via Tech Today, but there are likely people we’d want to personally invite (to be sure they'd attend & contribute).

In addition, I’d like to invite K-12 formal & informal educators in the UP, and possibly a few targeted folks in Michigan or the Great Lakes (we can think about this...).”
CWS Advisory Committee Mtg
Spring 2012
Agenda

• Review of fall activities
• Budget update
• Spring activities:
  – Seminars, student awards
  – REF proposals
  – WWD
  – Newsletter
  – SFHI - GLRC candidates, start-up contributions
  – Large proposals
  – GLRC
Gift for Alex
Center Activities

- 12 proposals submitted;
- 2 proposals funded – Amy Marcarelli & Casey Huckins, USFS; Robert Handler & Nancy Auer C2E2;
- Supported 4 seminars (3 GLRC, 1 CEE);
- 4 Research grant applications, 1 travel grant application;
- Revised email newsletter, web page;
- Travel to SOLEC;
## Budget

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Spring activities

• 3 seminars (2 CEE, 1 Biol. Sci.)
• Colloquium ongoing; 12 registered; good participation from nat’l sciences;
• Need to solicit grad student travel & research grant applications;
• Large collaborative grant applications – how to select? NSF: REU, IGERT, WSC, RCN, SRN, CHN, Landscape Biology, Climate Change Adaptation Modeling;
World Water Day

Date: March 22, Thursday
Poster judging
Poster Session & reception - 3-5 p.m., Dow Atrium
Speaker – Lana Pollack, 5:30-6:30, EERC 10?
Reception: 6:30
Dinner
Newsletter

• Contents – suggestions?
  – Description of Center
  – Outreach highlights
  – Research highlights
  – WWD & other seminars
  – GLRC
  – SFHI
  – Student activities

• Send to whom?
REF Proposal

- CWS has had 2 Infrastructure Enhancement;
- ≤ $50K, typically awards are ~$20K, matching almost always required;
- Deadline: Budget 2/23, proposal 3/1
- Options for 2012:
  - Rapid Solvent Extraction: Perlinger, Doskey
  - ADCP on Agassiz – M. Auer
  - Sievers low-level DOC –
  - GLRC equipment
  - ?
  - ?
CUAHSI Membership

- Consortium of Universities for the Advancement of Hydrologic Science;
  - developing, supporting, and operating research infrastructure;
  - improving access to data, information and models;
  - articulating priorities for community level water-related research and observations;
  - facilitating interactions among the diverse water research community;
  - promoting interdisciplinary education centered in water science; and
  - translating scientific advancements into effective tools for water management and policy.

- $2,000 application fee – CWS contribute $1K?
- $200 dues – CWS pay?
Outreach

• GLRC planning

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