



## OPAS Steering Committee

# Detailed Meeting Record

#31 - April 7, 2008

**Attendees:** Ben Manny, Bruce Schafer, Jo Oshiro, Steffen Moller, Dick Knight, Tom Thompson, Di Saunders

3:30 - 3:35	Introductions, opening remarks
3:35 - 3:50	Recent work by Workgroups <ul style="list-style-type: none"> <li>• Motivate</li> <li>• Prepare</li> <li>• Success</li> <li>• Pathways</li> </ul>
3:50 - 4:50	Continue planning for 2009-2011 Biennium <ul style="list-style-type: none"> <li>• Proposal to ETIC for 2009-2011 Biennium <ul style="list-style-type: none"> <li>◦ Current Version of Proposal to ETIC - <a href="#">pdf</a></li> <li>◦ ETIC response</li> </ul> </li> <li>• Next Steps <ul style="list-style-type: none"> <li>◦ Developing Level 0 ("EBL") (Full plan is Level 1: "EBL"+"POP")</li> <li>◦ Developing management plans</li> <li>◦ Connecting with Board of Higher Education's committee on Student Participation and Completion</li> </ul> </li> </ul> <p><i>EBL = Essential Budget Level = Base Budget</i>  <i>POP = Policy Option Package = Budget Increase</i></p>
4:50 - 4:55	Other business (members should suggest topics before or during meeting)
4:55 - 5:00	Schedule next meeting – default date Tuesday, May 13

### Summary as emailed and posted April 21, 2008

Seven members of the Steering Committee met on April 7, 2008.

Subcommittee status reports:

- Ben: The Motivate Workgroup's current focus is obtaining more information to flesh out the subproposal skeleton, particularly for the team engineering challenge piece.
  - Have talked with Rebecca Lantz, chair of the Hillsboro School Board.
  - Bruce suggests the SMILE and MESA programs, which pay stipends, as additional resources.
  - We must be careful to not weaken the volunteer environment; different funding models may be needed for socioeconomically privileged vs. challenged schools; NWSE experience suggests that teachers can be trusted to honorably use, rather than exploit, offered resources.
- Dick: Prepare also is refining its understanding of its proposed program options; the group saw a presentation by Cary Sneider on the Boston Museum of Science's Engineering the Future curriculum.
- (Jo) The Succeed Workgroup is finishing its template "Fostering STEM Diversity" presentation. Don Kirkwood will be presenting at OACTE, aiming at administrators. His talk is "STEM – why should you care?"
- (Jo) Pathways. *Since the meeting, work on the Manufacturing Engineering Technology Brochure has resumed.*

ETIC proposal: The proposed \$4.56 M allocation has been divided into \$1.31 M in the ETIC Essential Budget Level (EBL) which is equivalent to the 2005-2007 campus-wide and open RFPs, and a Level 1 priority Policy Option Package (POP) for \$3.25 M. In further developing this proposal, these decisions were made:

- A further discussion of diversity impact numbers is needed.
- The best use of workgroup time over the next several months is additional planning for the biennium starting July 2009. In other words, if the proposed funding for the OPAS programs is allocated, exactly how will we spend the money and manage the programs to assure maximum impact?
- For now, the strategy for handling reductions in allocation is to spread the reduction evenly across the programs, and use the funds as seed money to leverage additional funding either from private sources or in future biennia. One possible exception: internships should be part of a longer-term OUS strategy. Di notes that the logical home for such a program is with the OUS Vice-Chancellor of Research. Last year, a search failed to find a candidate for the position.
- Summaries of past and current grant activity would be valuable.
- Preliminary information on these foundations would be valuable: Murdock, Lemelson, Meyer, Miller, Gates, and Paul Allen.

### **Action Items as emailed and posted April 21, 2008**

Jo:

- Summarize OPAS grants for this biennium:
  - Internal grants report yearly.
  - Non-internal grants report quarterly, although funding came so late in the first quarter that first quarter reports are moot. Second quarter reports are due April 30.
- Profile/summarize the webpage information about what these foundations look for: Murdock, Lemelson, Meyer, Miller, Gates, Paul Allen

- Connect Ben Manny to Sean Gallagher, Superintendent of Lakeview School District for another viewpoint on the engineering challenges program.

### **Additional Items of Interest & Reference**

- Tom, Dick, Steffen, Bruce: A pre-meeting discussion highlighted concerns about pigeonholing pre-engineering solely within CTE, feeding current misperceptions that engineering is not for the college-bound. Some space must also be found within the science curriculum to ensure exposure of engineering processes and disciplines. “Divide the pie to complement each piece rather than fight or overlap too much.” There can be space found in the curriculum by loosening the focus on seat time.
- Engineering team challenge program concerns:
  - Union/teacher contract issues may vary by school district; the program structure will need to be very flexible.
  - The InvenTeam model is a good one with a lot of allowable but not required expenses, so each team can configure their model within constraints based on their desired outcomes.
  - How to insure the long-term goal of getting school districts to take this on as they have done with athletics.
- ETIC proposal:
  - We need to break out top priority programs and increase our ability to articulate the necessity for each of these budget lines.
  - Dates influencing Windows of Decision and Refinement for the Proposal:
    - May 2: OUS Vice-chancellors give OSBHE an overview of the POPs
    - Early May: may be able to make some revisions for June OSBHE meeting.
    - June: OSBHE meeting.
    - July: OSBHE will probably prioritize all POPs.
    - Early December: Governor’s decision.
  - Bruce: To really champion the more general internship solution, look at a POP for fall of 2010.
  - More fact-finding resources: site visits to current PLTW sites and grantees.
  - Engineering team challenge issues:
    - how do we split up the stipends?
    - How do you start with PPS? Who do you talk to? How do you sell them?
    - One piece is beefing up the leagues, especially FTC
    - How do you find/recruit/train coaches? Do we have a best choice for pilot??? Experience of most benefit here.
      - Link to a list of existing challenge programs:  
<http://www.engineeringedu.com/competitions.html>
  - The OSBHE Student Participation and Completion Committee (Dalton Miller-Jones, chair) has proposed a POP to enroll Klamath Community College students into a particular technology program with OIT.
  - In finding outside funding, all or most of the OUS campuses have a development officer who serves as a gatekeeper so that any campus has only one proposal at a time submitted to major foundations.
    - Dick: could partner with a non-profit to overcome this barrier.

- Bruce: have campus partners and/or do not proceed past a certain point until we have met with the appropriate gatekeepers.

**Next meeting:** Jo will poll: Plan A – Tuesday April 29; Plan B – May 6