Attendees…

**Mike Larson**, Director of Utility Production, Facilities & Services

**Tim Mies**, Deputy Director of Operations, Energy Farm, Energy Biosciences Institute

**Xinlei Wang**, Professor of Agricultural and Biological Engineering

**Catherine Yee**, Student Member

**Jack Morrissey**, Student Member

**John Flanagan**, iSEE Campus Sustainability Intern

**Scott Willenbrock**, Provost Fellow for Sustainability

*\*2nd faculty member [remains TBD]*

On the Agenda…

1. ***Call to Order***

**Scott Willenbrock** joins the EGEN team today to add his voice to previous EGEN activities particularly exploration of clean energy on campus.

1. ***Approval of minutes from last meeting***

Minutes were posted to the iCAP portal immediately following the last meeting. From now on meeting minutes will be approved at subsequent meeting before posting.

1. ***Open issues***
   1. ***Review progress toward 2015 iCAP objectives***

* Status of all objectives is: In Progress

[see “OTHER IDEAS FOR CLEAN ENERGY…” near end of meeting notes]

* 1. ***Review/Finalize poster for Campus Sustainability Celebration. Draft needs to be submitted to Ben by Friday, 9/30***
     + Several grammar and phrasing issues were updated. **John** will add update for heat recovery chiller study (AEI is retainer, F&S is the client), will request final approvals from the group, and will submit the final draft.
     + **Mike** will send graphic on Petascale Computing Facility for objective #4
  2. ***Identify 2nd faculty member for EGEN SWATeam. iSEE (Ben & Morgan) is responsible for selecting and inviting the SWATeam members.***
     + SWATeam members should send names directly to Mike or to Ben
  3. ***Sustainability Day Celebration: 4-6PM, Alumni Center***
     + Spread the word, be there!

1. ***New business***
   1. ***Brainstorm potential focus topics for this year’s SWATeam***

* Invite Niharika to talk with EGEN about on-campus solar when timing is appropriate.
* Kevin O’Brien with ISTC is working on carbon capture. We could invite him to hear about the progress on that project. He has volunteered to sit on or serve on an EGEN consulting group.
* Scott recommends hearing from Sally Greenberg, she’s involved with sequestration and would be happy to visit with our group. Or we could visit and Scott would drive!

OTHER IDEAS FOR CLEAN ENERGY ON CAMPUS…

* For Petascale… can we repurpose the waste heat instead of venting? Can we do it here? What is the cost? Maybe heat could be pumped into nearby buildings – this is called immersion cooling. Assembly hall happens to be nearby but is often trying to be cooled. Consider this idea in light of growth in high performance computing (not a reduction).
* It is likely that an additional solar farm would be the most cost effective and direct way to meet iCAP objective #2.
* (**Tim**) Air-permitting for increased biomass usage.
* (**Tim**) Update on retrofitting of solar panels from solar decathlon home to energy farm building: firm determined that structural engineering costs are upwards of $10,000 so they are considering a simple ground mount.
* Could solar be implemented at Willard airport? Is there space that’s not being formed and could accommodate? How about Dixon Springs [this is not actually university land]
* Make recommendation for PPA of clean energy, call it “clean energy PPA”
* (**Mike**) Update on gas boiler replacement project – final contracts should be signed soon, then the project will kick-off. 1 boiler is installed. There can be 2 more boilers. The funding is there, it’s just a matter of signing contracts. Work on another back pressure turbine should begin soon as a PO was issued on September 27th. The entire project timeline is 44 weeks for one turbine. Inlet air cooling should be completed next spring.

1. ***Adjournment***

Next Meeting: 4-5 pm on 10/12, room 358 NSRL