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

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

On the Agenda…

1. ***Call to Order***
2. ***Approval of minutes from last meeting***Approved!
3. ***Open issues***
   1. ***Review progress toward 2015 iCAP objectives***
   2. ***Identify 2nd faculty member for EGEN SWATeam. iSEE (Ben & Morgan) is responsible for selecting and inviting the SWATeam members.***

Ben talking to faculty members, we may have a second one soon!

* 1. ***Sustainability Day Celebration: 4-6PM, Alumni Center***
  2. **Focus topics EGEN SWATeam (see attached document)**

1. ***New business***
   1. ***Development of formal SWATeam recommendation to the working group regarding offsets for Petascale by FY18.***

**Mike** is drafting this recommendation citing the objective and will send for us to review.

Thoughts: The petascale facility uses 100,000 MWH/year, an REC purchase might be 30 cents/MWh – this means $30,000/year to purchase offsets; who is going to pay for it?

Computational facilities will continue to pop-up on campus. **Mike** will contact a guy that is involved with next generation computing who can talk to us… they may use 95F water to heat next generation facility which would yield 120F water. Many data centers are already reusing waste heat.

* 1. ***Other items?***

Have we purchased RECs? Does this get us to our goal?

* Wind PPA should be executed with 25,000 MWh/year for the next 10 years.
* RECs from existing wind farms are less expensive; there are fewer RECs for solar.

What should RECs look like? What is the source of RECs?

* **Mike** will send out articles about RECs from new or existing REC sources

What do we want to advance in solar procurement?

* Let’s get in touch with Niharika (Morgan will probably come with) (**John**)
* Consider another big installation in parallel with smaller installations on campus. What can we do to help Niharika?

Potential Recommendations

* + 1. Recommendation to build roof to handle solar
    2. All new construction must include solar – putting panels on all new buildings  
       **John** and **Xinlei** will work on proposal 1, **Catherine** and **Jack** on #2  
       Prepare the recommendations for the next meeting.  
       Recommendation form is on iCAP website.

1. ***Adjournment***

Next Meeting: 4-5 pm on 11/9, room 358 NSRL

Focus topics for this years SWATeam - Clean Energy Ideas

* Expansion of on campus solar.  
  Setup meeting with Niharika Kishore to discuss her.  
  Development of building standards that require roof designs that can accommodate solar panels for all new construction.
* Clean energy PPA.   
  Develop a recommendation to explore pricing for another clean energy PPA.
* Carbon capture  
  Setup meeting with Kevin O’Brien to hear about the ISTC projects.  
  Setup meeting with Sally Greenburg to hear about sequestration at ADM.
* PetaScale  
  Repurpose waste heat instead of venting. Can this be sent cost effectively to the State Farm Center.  
  Provide a recommendation that offsets be pursued for Petascale emission in order to meet the FY18 goals established in the iCAP.
* Air Permit - Could we pursue a more flexible air permit that would allow the campus to test burn various biomass options at Abbott.  
  Setup meeting with F&S Environmental compliance to provide an overview of the campus Title V air permit, and review the options for burning biomass on campus.