

iCAP Working Group

February 16, 2016

Minutes

Present: Rob Fritz, Morgan Johnston, Ben McCall, Lowa Mwilambwe, Nancy O'Brien, Jess Tang.

Minutes approved for past meetings.

Announcements: The Chancellor signed the Resilience Commitment with Second Nature on February 9, 2016. This would not have happened without the advice from this group. Thank you.

In preparation for reviewing the SWATeam Feasibility Requests, the group reviewed the evaluation criteria that was developed last semester. The group will decide whether the requested study should be moved forward with either more detailed investigation or action, or whether to defer the study.

Review of SWATeam Feasibility Study Requests

1. Energy Generation, Purchasing, and Distribution
 - a. Study for electrifying most space and water heating on campus.

This request is to hire an outside consultant to study electrifying campus. F&S believes it to be cost prohibitive, but this study may give us better estimates on what it would cost. The cost of this study could vary widely depending on scope. Ben will work with the SWATeam to get more clarity of the scope of work for this study.
2. Agriculture, Land Use, Food, and Sequestration
 - a. Collect, analyze and compile data to estimate agricultural emissions.

Where will this research happen? For how long will the 50% graduate assistant be working? The project needs a more specific scope and definition. Perhaps it can be a senior design project. If funding is available this should move forward.
3. Transportation
 - a. Travel demand study for air travel.

What would be the end result? There are many reasons to travel, some are optional and some are not. For example, junior faculty who are working on tenure need to network and engage with other experts in their area. Other times, it may be sufficient to conduct business or the meeting virtually. This is more of a sociological study, maybe a student in the Sociology department can help. Jess Tang will work with the SWATeam to see if this is plausible.
 - b. Study to determine if differential pricing for campus parking will encourage car sharing.

The study of the parking pricing structure and alternatives for changing it can be very complex and involve a lot of issues. Have they addressed this in their recent Parking Master Plan effort? It was suggested to add Brian Farber from Parking to the Transportation SWATeam and examine what has been addressed in their Master Plan, before undertaking this study.
 - c. Campus fleet analysis.

They have suggested that this analysis is ideally completed by an industry professional. The iWG recommends that this study can be broken down into phases where phase 1 could be done by students, and phase 2 then could be done by an outside consultant (industry expert). Ben will suggest this to the SWATeam.

4. Water & Stormwater

All of these will be returned to the SWATeam as comments from each team member are required, and more clarification is needed for each.

- a. Evaluation of the performance of the campus landscape
- b. Pilot project to use groundwater as cooling tower make-up
- c. Evaluate the effectiveness of pervious pavement in parking lot C9.

It was suggested that this study be revised to identify the areas of campus that contribute the most to non-point source pollution, and then prioritize areas for implementation of green infrastructure.

- d. Perform a water audit, inventory of water usage
- e. Study the feasibility of using gray water at the Business Instructional Facility

Stephanie will work to identify a good meeting time for the group.

Adjournment 5:00 pm