**Energy Conservation & Building Standards Meeting**

*In attendance: Alex Dzurick, Claudia Szczepaniak, Dhara**Patel, Fred Hahn, Jessica Tran, Karl Helmink, Marian Huhman, Morgan Johnston*

1. Introductions among attendees and welcomed Alex, a graduate student in Education Policy, Organization, and Leadership, to the team, and new student member representing iSEE, replacing Monica.
2. Follow-up items from last meeting on Dec 9: Karl reported on space utilization meetings (incl. Dec 14) with Matt Tomaszewski, Kent Reifsteck, Morgan Johnston, and Jill Maxey, among others.
   * Issues discussed were space, such as buildings proposed to be demolished and when that is happening, fume hoods, and a Campus Master Plan addressing space (no exact details yet just big picture in the works). Karl made notes on places where buildings aren’t being completely utilized—maybe they can be shut down for longer periods of time to save energy. Karl also met with NSRC and got large portions of the first floor shut off, which will result in savings of >$20,000 per year. Another meeting about NSRC is scheduled in a week or so to check in.
3. Follow up on Energy Dashboard project
   * Monica’s paragraph indicated that the dashboard is not functioning as well as it could be—other companies have ones that are more user friendly, which would be helpful in engaging campus.

Issues: Not quite ready to send improvements to the energy dashboard forward as a complete recommendation yet, but a great discussion led to many ideas.

* + - Morgan thinks that the dashboard text still has to be edited; could get some updates to the basic text (e.g., FYI screens and Q&A screens) really easily. A larger change would be going to another dashboard company altogether (such as Lucid). InStep (the program we currently use) has created an eDNA real-time data historian, and employees have looked at getting the web version to do what we want for the dashboard.
      1. It may be worth having one of these employees give the team an update.
      2. Business students’ report: [https://icap.sustainability.illinois.edu/project-update/business-instructional-facility-recommendations](https://urldefense.proofpoint.com/v2/url?u=https-3A__icap.sustainability.illinois.edu_project-2Dupdate_business-2Dinstructional-2Dfacility-2Drecommendations&d=BQMGaQ&c=8hUWFZcy2Z-Za5rBPlktOQ&r=79arPOJPCGeKJXIw8WuoGdOg8ATEnAaqcrqsZBJbfE4&m=mzzAhNlThE84HzkM_KR7bPVu_joc2WeSvpK4Gsz4a68&s=Nsihye68Dqod5XSB-Rwa1ZRNYEuotfSDuxgiwqC3C7g&e=" \t "_blank)
    - Fred wonders if we’re comfortable with the content of the dashboard; are we reaching the people we want to reach? Does feedback exist?
    - Dhara adds that the use of the dashboard was sparse during Ecolympics. Green Labs Initiative might make it more relevant, as would other similar programs.
    - Morgan agrees; the dashboard display isn’t intuitive—it needs to be more easily interpreted by students as well as more engaging. For example, the Solar Farm dashboard is lively and incorporates competition and targets. People respond to competition and relevance.
      1. Solar Farm online dashboard: <http://go.illinois.edu/solar>
    - Dhara points out that we have to give people a reason to look at the websites/dashboard in the first place.

1. Follow up on Scott and EGPD SWATeam and Design Center
   * Scott is still working with his team about whether to suggest a feasibility study on what it would take to make campus carbon neutral by 2035. Not involving our team at this point.
   * Design Center (DC) meeting was held Jan 28. The plan at this point seems to be to build the DC to LEED Silver, and make up the difference between the energy savings from LEED status and net zero energy with energy conservation measures. (Did we get this right?)

Fred noted it is difficult to understand at times the connection between energy conservation and carbon neutrality and what in energy savings will have the biggest effect on carbon neutrality?

* + Morgan: We have to increase renewables and conserve energy parallel to each other. Building energy usage is what ECBS goals are based on; from the production side, how do we reduce emissions is the question of EPGD. Reducing our carbon footprint occurs as the iCAP is achieved altogether.
  + Fred is concerned about encompassing both energy conservation and the use of renewables in the design of buildings, even though ECBS is focused only on energy conservation in buildings according to the iCAP. Some architectural designs are not energy efficient designs.
  + Morgan: People who have the money for a building want to spend their money on programming space and don’t want to spend money on doing energy conservation and being proactive about energy efficiency; they want a bigger space more than they want a more efficient space, at the detriment of decreasing deferred maintenance.

1. Follow up on potential ASHRAE feasibility study recommendation
   * Definition of feasibility study isn’t the same in F&S and iCAP
   * Fred is looking into training F&S on ASHRAE 90.1
2. Follow up on internships developed and advertised
   * Both internships (one for campus engagement in something like a Lights Out project and a Green Labs project) have been posted, but we haven’t heard how many students have applied
     + Dhara will send an email to person in charge of Ecolympics in the past—they may be interested in the campus engagement internship.
   * Marian and Dr. Frances Kuo will be working with undergrad student Olivia Yu on NSRC fume hood users: (barriers, motivators, what do they need for better performance) and conduct research (focus groups) to change this culture among behavioral segments. Dr. Kuo wants to measure behavior change--track and compare amount of usage of fume hoods. According to Fred, it’s possible to identify sash position by comparing it to ideal operation using an algorithm. Morgan suggests using a sign-in sheet for logging start and end times.
   * Fred was thinking about providing instructions to F&S on energy-efficient hoods and defining hoods by their use (exhausting chemicals versus popcorn smells); it doesn’t make sense to use the same rules across all hoods. Could compare findings with Olivia’s research.
3. New business
   * Morgan discussed ECBS iCAP objectives. First 3 objectives in ECBS are officially the responsibility of F&S to complete; 4th one is officially not F&S’s responsibility but want to assist iSEE in achievement.
     + Morgan will send out a PPT presentation about objectives.
   * Building plaque award ceremonies are going on right now, and Morgan would like for SWATeam members to attend some of them and spread awareness of them. She will send an email about when/where they are.
   * Campus engagement programs in progress/development: ECIP, Ecolympics, Energystar (Urbana), Certified Green Office Program, Regional Green Office Challenge, Green Labs Initiative. Marian concluded we should work to mold these into a more cohesive plan.
     + Need to clarify definitions. E.g., if the goal is to get 50% of units to participate in a program, what do we count as units?
   * Uni High contacted Dhara to apply for SSC funding but is not eligible. Revolving loan fund could be an option. Administrators know what they want to do, but the building is old and has terrible infrastructure.
     + Revolving loan fund allows buildings to borrow money for use in energy conservation without having to pay the loan back because utility savings pay back.
4. Next team meeting is Tuesday, March 1st at 2pm.
   * Idea to meet monthly and have subgroups meet and work on different issues (campus engagement and Green Labs Initiative, for example).
   * Jessica, Marian, Morgan, and Alex will meet Tuesday, Feb 9th at 4pm to flesh out 4th objective.
5. Items to follow up on:
   * Morgan to send report on Dashboard that business students did.
   * Morgan to send out a PPT about ECBS objectives.
   * Dhara will send an email to person in charge of Ecolympics in the past—they may be interested in the campus engagement internship.
   * Marian will clarify what was the nature of Ben’s request to talk with our team. Clarification follow up: Ben is concerned about setting high energy efficiency standards for future buildings, so that high performance is “baked in” to any future building projects. Most likely, Marian will invite Ben to our March meeting.