**Energy iCAP Team Meeting**

Wednesday, April 14th, 2021

9:00 am via Zoom

*Members in attendance: Bill Rose (Co-Chair), Andy Stumpf (Co-Chair), Brian Bundren (Non-Voting Staff), Tim Mies (Staff), Brinn McDowell (Student), Kimmy Chuang (Clerk), Matthew Gold (Student), Tyler Swanson (Student, Future Energy Clerk), Brad Frantz (Staff)*

1. **Old Business**
   1. Introduction to next year’s Energy clerk: Tyler Swanson
   2. Any updates on Building Envelope Pilot Project
      1. No updates, which is unfortunate because they’re using infrared tests, which work best in cold temperatures.
   3. Engagement meeting updates from Matthew
      1. Engagement is very busy as a brand-new team. Will look for collaboration later in the future.
2. **Recommendations in Progress**

**Energy Efficiency in Labs**

* 1. Brinn, Paul, Morgan, Meredith, and Kimmy met on Mar. 15th to discuss a sustainable labs sub-committee recommendation.
  2. Brinn has developed a draft, along with Kimmy, and would welcome everyone’s feedback.
  3. If possible, we would like to submit this recommendation by the end of the month, but sooner if possible, so the iWG has time to review it.

*Overview of Recommendation – Brinn*

* 1. *Andy*: Fume hoods are managed by DRS, so is there anything else that DRS could oversee? They can choose to close the ones not being used.
  2. *Brinn*: “Shut the sash” is a national campaign
  3. *Andy*: I’ve undergone training modules at ACES. **Tim also agrees that now that campus is re-opening, this would be a great time to add new training modules.**
  4. *Bill*: Do we know what auspices this would work under?
  5. *Brinn*: We’ve targeted the recommendation to OVCR/F&S/iSEE
  6. *Bill*: What charge would this committee have? Could we chart the lab energy use metrics? What would be the budget?
  7. *Brinn*: We’re not sure what the budget would be. Brinn could do metering for her lab under $200. Those meters are lower tech and they could be shared with other labs. Could be anywhere from $200 to a couple thousands.
  8. *Andy*: **It’s possible to get a group on campus or a consultant to look at each lab.** DRS’ job is that they have a company to test the fire extinguishers and they’re technically integrated into F&S, even though they’re a separate contractor.
  9. Bill: Would want to look at make-up air in fume hoods.

**Space Utilization Recommendation**

1. Paul and Kimmy met with Brian Bundren, who is a member on the Illinois Space Advisory Committee (SAC) about a possible recommendation.
2. We learned that there are very few researchers on the ISAC.
   1. Planning to let some leased spaces expire

*Overview of Illinois Space Advisory Committee (ISAC) - Brian Bundren*

1. **University has learned that a lot of people can work from remote positions**. HR is working on exactly who but will likely depend a lot on your job title.
2. IVCB budget model puts a lot of budget ownership on the Colleges and Departments who are now paying for their own space. Now they’re being mindful for the space they’re using and trying to manage units more effectively by centralizing.
3. ISAC still vets new project requests and makes sure space being used for new buildings than will be offset by de-commissioning older buildings.
4. *Bill*: Is there someone looking at this specifically from an energy point of view?
5. *Brian*: Yes, **we look at which buildings are biggest energy users and beyond useful life by working with F&S.** We would demolish the building if they’re contributing too much to energy use than value in space.
6. *Bill*: Ventilation in labs during pandemic are like an energy double-whammy. How are we going to address this?
7. *Brian*: We plan to address this as people start to come back. **We will identify islands of non-use and use that. We will also target buildings not using space efficiently.** Colleges are now much more motivated to be efficient with their space with the new budget model, which also incentivizes them to reduce energy because they have to pay for that as well.
8. *Bill*: There was a recommendation to establish baseline energy use and there would be rewards if Colleges show a reduction in a fiscal year to a certain amount below their baseline.
9. *Brian*: That is in place now because **Colleges who reduce to below that baseline get to keep those savings.**
10. Bill: Historical use would be good to use as that baseline, except for buildings that were not built to the current energy code. If buildings that can’t demonstrate compliance with state energy code, then they perform poorly without accountability. Their baseline should be not be their historical
11. Brian: Yes, that’s true. That’s a really good suggestion.
12. We’re ahead of our peers on space efficiency per occupant. Although our campus footprint has climbed, the occupancy was grown at a faster rate.
13. Will get more clarity on what’s to come, dependent on when HR releases new policies and how College units experiment.
14. Bill: F&S new utilities plan decided to only count the state-owned square footage, which is 12 million, but we’ve been working with 20-24 million.
15. 12 million is the net square footage, but the gross square footage should be 20-24.
16. Abbott Power Plant is conditions 23 million, not 12 square foot.
17. Andy: How does leased space count into calculations?
18. Brian: We do calculate that as part of our footprint, but it’s a more evolving number.
19. **College of Engineering is really going through department by department and going through request to relinquish space back to campus**. Brian is seeing this happening more and more. A number of years ago, F&S used to physically walk the entire campus. Now we’ve automated the process and Colleges self-report their space utilization.
20. We want to be selective with the spaces we take. It’s not just we take isolated offices, but we want a suite of offices where we can re-allocate people who are looking to consolidate how much space their College has.

**Energy Planning Document**

* 1. Bill and Rob have met and discussed the new F&S Utilities report. **We should still move ahead with our Energy Planning document recommendation.**
  2. Should the recommendation include a discussion paper that distinguishes how the report would be different from our plan?
     1. The F&S report does not bring us to carbon neutrality by 2050.
  3. *Bill*: It seems like the primary goal of the iCAP is then out of the hands of F&S. But, there needs to be a campus plan to achieve that primary goal.
  4. Mike Larson, who runs the Abbott Power Plant, acknowledges that the primary goal is not addressed.
  5. Technically, F&S is only in charge of energy use, but we need to care about associated carbon emissions.
  6. We do support the goal energy use reduction. But, if the primary iCAP goal is excluded and no money is allocated towards achieving that goal, then this reflects poorly on the current iCAP process.
  7. *Bill*: I didn’t bring up this primary goal when I met with Rob. We mainly focused on the quality of the report.
  8. We will move forward with collecting comments on the Energy Planning document and Green Labs recommendations.

1. **New Business**

**Possible Ideas from Marcus Benoff (student on Land and Water)**

1. Suggested things like increasing outdoor outlets that are powered with clean energy. We know some bus stations and solar umbrellas went through the SSC. At the Idea Garden, they’re connecting solar panels.
2. Currently, we don’t have the resources to take up these ideas, but it would be great to see some of these proposed to the SSC.