**Energy SWATeam Meeting Minutes**

February 21, 2020

1:00PM

Room 240 NSRC

**In attendance:** Bill Rose, Andrew Stumpf, Karl Helmink, Yun Kyu Yi, Marcela Vega, Meredith Moore, Sowmiya Raju

**Could not attend:** Jayce Carlson, David Rivera-Kohr, Mike Reiter, Time Mies, Dave Boehm, Tugce Baser, Mike Larson, Keunhyuk Jang

**Meeting Minutes:**

1. Introductions
2. Subcommittee Progress:
   1. Andrew Stumpf - Underground Thermal Batteries
      1. Status: In production at Oak Ridge National Lab
      2. Trial will likely begin late spring or early summer 2020 and will be 1-2 years long
      3. Aim of the project is seasonal storage or possibly storing waste heat from biomass boiler
      4. Recommendation: The project is already underway so a recommendation is not needed. We could, however, recommend that it be used on campus after the technology has been perfected.
   2. Karl Helmink - Retrocommissioning
      1. Energy Management Plan - alotts $95 million for future ESCO projects in 23 buildings ($60 million of which are not paid back by savings)
      2. Only a part of the budget for deferred maintenance goes into energy savings. For a greater focus on energy goals, more funding needs to be argued for.
      3. Recommendation: Revisit previously submitted recommendation on deferred maintenance after taking a look at the iCAP 2020 draft.
   3. Bill Rose and David Boehm - Building Envelope
      1. Goal is to identify a certain number of buildings to receive energy audits to find out how and where the building is leaking energy through its building envelope.
      2. Identify pilot envelop improvement candidate buildings aiming for 30% improvement in energy
      3. Recommendation to be drafted
   4. Yun Yi - Building Codes
      1. Goal is to develop energy models to campus buildings
   5. Bill Rose and Andrew Stumpf - Campus Square Footage
      1. Currently looking to set up a meeting with those responsible for square footage with the help of Morgan White
   6. David Rivera Kohr - Renewables
      1. Digester Feasibility Study Recommendation draft
      2. Feedback on draft recommendation:
         1. Make clear what the Illinois Climate Action Plan is to do with respect to this recommendation (eg. express “support”)
         2. Mention where the funding could possibly come from (eg. on-campus sources, external grants)
         3. Include correspondence with College of ACES as proof of their interest
         4. City of Urbana could possibly be interested in supporting this recommendation.
         5. Include more specifics such as a timeline
         6. Include background information on basics of the system and technology as well as previous studies and efforts(observations and outcomes)
         7. Including a presentation would also help (this could already include the background)
         8. What happened with the 2014 study? Why did it not go forward?
         9. Answer the question: Why spend $10 million on this project as opposed to another?
   7. Mike Reiter - Energy Master Plan
      1. Currently reviewing the Energy Management Plan documentation