

Energy and Utilities Meeting Minutes

Date: Tuesday, November 12, 2013

Time: 3:00-4:00 pm

Location: Utilities Building, 1100 S Morgan Street

Attendees:

Cindy Klein-Banai

Shelby Egan

Rob Roman

Rob Rouzer

David Hofman

Hyejung Lim

Robert Deja

Vy Milunas

Bill Ryan

Topics:

1. Overview of the CCSE meeting with the Chancellor → Moving forward with our subcommittee recommendations

- a. Continue to develop an Energy Master Plan
 - i. waiting on Utilities Master Plan
 - ii. can continue to seek more renewable energy
 - iii. climate action plan addresses GHG emissions
 - iv. working with Green Fee committee
 - v. hard time finding a company that will work with an RFP of 1-2 years (Urbana having a longer RFP?)
 - vi. investigate biogas
 1. are there clear CO² benefits?
- b. Launch Energy Dashboard
 - i. Demo in the works but not ready to be released
 - ii. Bob- moving forward with this as a behavioral change
 - iii. Goal: start with 1-2 dashboards
 1. Locations: online, 618-BSB (green fee proposal)
 - a. Start with online website for easiness: dashboard page, choose your building
 - i. Timeline for website: have done by end of winter break
 - ii. Difficulty is the design, not the technology
 - b. Then think about whether we can integrate with other buildings
 2. Frontline goal: to have in the building entrance so people can easily see the energy use

- a. Touch screen
 - i. Also designed so you don't have to touch it but can if you would like
 - iv. U Vermont- deal with Sodexo; For buildingdashboard.com to show energy consumption
 - c. Develop a Green Building Checklist and Guidance Documents
 - i. Responsible: LCP and Vy's group (talk with OCP director to decide a standard that is acceptable for that group)
 - d. Continue the Building Metering Project Initiative
 - i. Bob- continuation
 - ii. What are our plans? (Vy)
 - 1. No exact number, but every year we try to meter what we can meter
 - e. Develop a Water Management Plan
 - i. Huge consideration, will take years to fully implement
 - ii. OS: draft plan focused on smaller items rather than the big picture
 - 1. Shelby-look over by end of Christmas break
 - a. Set goals
 - b. Organize
 - c. Identify where we are using domestic water for cooling
 - d. Capture low-hanging fruit

NOTE:

- Cindy spoke with Caryn Bills to discuss recommendations that we need further support from higher-ups (financial, policy, etc. needing action)
- VCAS: sent recommendations that still need "awareness"
- Energy and Utilities recommendations are funded through Utilities budget

3. Chicago Energy Use Benchmarking Ordinance

- a. State institution not always following city ordinances
- b. Brought up by Green Ribbon committee to the Chancellor
- c. Chicago Energy Retrofit group
 - i. How do campuses comply with the ordinance
- d. Eventually will have to report buildings over 250,000 or more gross square feet by June 2014
- e. Meters are at the distribution level (some metering for 2 buildings and then divided)
- f. Subcommittee should have a better analysis of what buildings that qualify
 - i. Role of subcommittee: Awareness, will be publicly disclosed, whose role is it to report it?, Fernando?

1. Need to discuss with Mark Donovan to understand who's role

4. Energy Star reporting

- a. Connected with Step 3
- b. Retrofit group: pool our data so we can benchmark against each other; would provide us metrics
- c. Portfolio manager
- d. Work with Bob to get started to find a direction to go in with

5. Possibility of deploying a campus wide IT solution that subtly controls all networked devices to place them in a lower power state in order to reduce our plug load

- a. JouleX, in conjunction with Cisco
- b. Overlay over entire IT structure
 - i. Remotely manage all PCs through server rooms
 - ii. All PCs show up in high power state
 - iii. Reduce 10% (highest to lowest power state)
 - iv. Reports carbon emissions
 - v. Allows "what if scenarios"
 - vi. Will need to talk to ACCC (they may not be as interested in energy savings, interested in maintaining the infrastructure)
 1. Limited number of computers tied to ACCC
 - a. Would be if it was plugged in
 - vii. Potential Goal: Meet with ACCC to inform them on this initiative as they will have to be involved before we move forward on this.
 1. ACCC- if interested-could help quantify

*** Next meeting is **Tuesday, December 3rd** from 3:00-4:00 p.m. in the Utilities Building

-topics to discuss: idea of exploring an outdoor renewable energy testing/lab space on the roof of SEL