

CCSE Energy and Utilities Committee Meeting Minutes

Date: Monday, July 21, 2015

Time: 3:00-4:00pm

Location: 107 PSB

Present: Robert Roman, Dave Hofman, Robert Rouzer, Stephen Tinney, Cindy Klein-Banai, Radhika Venkatraman.

Discussion

1. Sub-committee Goal Settings:

Cindy Klein-Banai and Venkatraman had come up with a draft template on subcommittee goals after the meeting with the Chancellor.

Goal 1: GHG/CO₂ Emissions

- It was decided to be a stretch goal due to many physical constraints and budget situation.

Goal 2: Water Conservation

- It was discussed that the EPA P2 grant is not available.
- Student interns are collecting data on wastage of water.
- Providing education to run the program is not possible without resources.

Goal 3: Lighting

- Retrofitting is not possible.
- It was discussed that if data on energy consumption on each light replaced be measured then comparison to previous data is possible.
- It was also suggested to measure watts/sq. ft. as lamping figure

Goal 4: Renewable energy

- The solar panel on the parking lots – Energy produced to be used in the lots itself or for other places?
- Annual paybacks for these panels will be very marginal
- Possibilities of installing on building rooftops were discussed.
- Funding – Illinois clean energy foundation grant

- It was suggested to set quantitative metrics (it was mentioned that data for 2 places has already been collected – LH & DE)
- It was mentioned by Dr. Hofman that 2.5 million kWh is purchased which is 1.5% of total purchases.

Goal 5: LEED Certification

- LEED Gold is only possible on new constructions

Goal 6: Energy Conservation

- It was discussed that a baseline is required.
- Some of the sub-goals do not need funding, collecting records of energy usage was advisable.
- Questions were raised for who is responsible for the education component for energy conservation – OS & Dashboard provides information, methods and feedback.

Goal 7: Renewable Energy (Contd.)

- Increased purchases of renewable energy depend more on the costs
- Since it is not funded, there is a difficulty in buy-in.

Other Comments

- Updating master plans for recycling – consideration for Geothermal Labs, rooftop labs
- Dr. Hofman introduced the idea of Quad sky Gardens – rooftop gardens with bridge ways to link them from the balcony. Could also have the capacity to capture storm water for irrigation.
- Future Modernization plans – Building an auditorium.