**Energy SWATeam Responses to iWG Comments**

* Some iWG feedback has been incorporated in the form of changes to the objectives.
* For other comments the SWATeam has provided a response below.

1. General Comments
   1. The use of the word “energy” was intentional wherever used in the document.
   2. SWATeam does not currently support privatization of energy infrastructure assets. There are other mechanisms (e.g., Energy Savings Performance Contracts with ESCOs) to achieve the same objectives.
   3. Carbon tax and campus divestment from fossil fuels: The SWATeam unanimously agrees that these issues should be addressed by the iWG and the administration. The Energy SWATeam is responsible for addressing issues concerning energy generation, conservation, and building standards. Topics involving policy and budgetary decisions are beyond this SWATeams’s purview.
   4. Solar farms and geothermal energy: Already being addressed by Campus.
   5. Wind Farms: Past discussions and investigations by Campus and the Champaign-Urbana community have shown opposition to the traditional “wind turbine”. Campus should therefore consider small wind energy technologies that do not have the same footprints or impacts to adjacent landowners. For example, the technology could be tailored to specific applications at the building level.
   6. Decommissioning of Abbott: Unlikely without significant deviation from the current Utilities Master Plan.
2. Energy Master Plan
   1. The SWATeam is investigating ways to work with Facilities and Services (F&S) to discuss how our objectives and recommendations can be addressed in the Energy Master Plan.
3. Targets
   1. The targets should be part of the Energy Master Plan.
4. Energy Demand
   1. Limiting square footage: The SWATeam suggests F&S change the methodology for allocating energy to existing and new building space. For example, Campus should lower the baseline energy allocation to new buildings.
   2. The SWATeam recommends continuing and expanding the ESCO and retro-commissioning programs. Also, there should be a focus on building envelopes to capture additional energy efficiencies.
   3. Building Energy Modeling
      1. What classes exist now that teach energy modeling?

The following sustainability and energy modeling courses are currently offered at UIUC:

1) ARCH 594 Spec Prob Building Science and Technology (High- Performance Building Design)

<https://courses.illinois.edu/schedule/2020/spring/ARCH/594>

2) ARCH 576 Architectural Design Seminar

<https://courses.illinois.edu/schedule/2020/spring/ARCH/576>

Students enrolled in ARCH 594 use OpenStudio and Sketchup software to model and analysis energy use of example buildings. ARCH 576 includes presentations and discussions relative to various areas of architectural and environmental design concerns. In addition, regular tutorials are held to teach students on how to use the whole building energy simulation tool.