

SWAT: BUILDINGS AND LAND 10/27/16

Attendees: Muthusamy Swami; Patrick Bohlen; Curt Wade; David Norvell; Yara Watson

Updates

Introductions

New Coordinator

- Yara Watson was introduced as the new Sustainability & Outreach Coordinator (replacing the previous Coordinator, Alexandra Kennedy). Yara has a background in sustainability; she received her B.A. in Sustainability Studies from UF and her M.A. in Global Sustainability from USF. Yara grew up in Orlando and is excited to be back home and joining the UCF family.
- Yara's primary focus will be on academics and engagement (providing consistent sustainability programming and education opportunities for students, faculty, and staff)

Brief member backgrounds & recent activities

- Swami is currently facilitating an energy audit of the library in one of his classes. In addition to being a professor of engineering, he is also Program Director, Simulation Software Development at the Florida Solar Energy Center (FSEC). He has also worked with the state to write building codes.
- Patrick is a professor of biology and Director of Landscape & Natural Resources and the UCF Arboretum.

Committee Business

- Swami was confirmed as the committee chair; Patrick will oversee the land component of the team's work
- At future meetings, a student from the corresponding Student Sustainability Advisory Committee (SSAC) will attend meetings and be responsible for minutes
- Representation from Operations, Planning & Construction, and Housekeeping is needed as well as someone with LEED AP credentials
 - Suggestions included Susan Hutson, Tran Huynh, and Ren Daelo

New Business

- The University will be submitting to STARS in 2017; SWAT committees will be using STARS to guide baselines and identify gaps, however, STARS should not constrain goal setting
- The Energy and Buildings & Land SWATs are closely related, with the Energy focusing on production and Buildings & Land on usage in buildings; there will likely be overlap, which is acceptable

Buildings

Possible projects

- Lighting
 - Outdoor lighting project already underway by Facilities Operation to replace high pressure sodium lights with LED lighting; the first phase, pedestrian walkways, was significantly cheaper than expected, encouraging phase two, roadways
- Plug load enforcement and expansion
 - Ex: space heaters are still used despite policies prohibiting them
 - Using group domains to program wide-spread sleep/hibernation mode
- HVAC
 - Currently there are occupancy controls in place for lighting, but not HVAC
- Building integrated renewables
 - Currently solar thermal installations on several buildings
 - PV on three buildings; previous barriers such as roof integrity are no longer an issue due to cost effective innovations
- Categorization system for buildings
 - Desperate need for a system to distinguish buildings by type, that takes into consideration the type of occupancy/use, i.e. lab verses classroom space
 - The Collective Impact (the University's new strategic plan) is 1/5 sustainability, including a commitment to allocating utilities by department
- Indoor air quality
 - Controls being deployed in labs
 - Current measures in place for LEED buildings

Land

- Expansion of organic fertilizer use
 - Currently 1/10 of an acre

Action Items

- Swami: Brief Rob Vieira on the meeting and next steps
- Patrick: baseline for the components in STARS currently being tracked
- Dave & Yara: committee additions
- Dave: energy and water data (square-footage per building)
- Yara: temporary cloud storage solution (OneDrive); written committee delineation; doodle for reoccurring meeting time