

## Buildings & Land SWAT Minutes: Tuesday, August 8<sup>th</sup>, 2017

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*Faculty/Staff Attendees: Muthusamy Swami; David Norvell; Patrick Bohlen; Yara Watson*

*Absent: Ren Daelo; Rob Vieira; Tran Huynh*

*Student Liaison(s): None*

*Guest(s): None*

### Review of Minutes

Minutes were approved

### Updates:

Land goals for fertilizer and pesticide use

- Difficult to set goals/targets without a clear understanding of the available data; goals/targets could range from:
  - reducing the concentration of nitrogen in fertilizers
  - reducing the acreage chemicals/fertilizers are distributed on
  - using less harmful/chemically intensive chemicals (could lead to using more of a less harmful product)
  - converting a certain percentage of fertilized areas on campus to organic
  - limiting inorganic fertilizer or harmful chemicals by a percentage of total purchased
- LNR has shifted part of the fertilizer regiment to organic and has discussed going completely organic on the landscape beds.
- The cost difference between organic and inorganic fertilizer is likely negligible.
- Most of the chemical put out is herbicide.
- All grounds are treated once a year to prevent fire ant proliferation; treating individual mounds is time-intensive.
- Indoor pest management is through Facilities Operations. Gregory is the vendor; they use LEED protocols for LEED building. The protocols for non-LEED buildings is unknown.

2017 achievable Goals

- Goals 1: Survey of comfort and plug loads of all buildings. **Tran**
- Goals 2: OEIS, Make it user-friendly. **Team**; create a list of suggestions
- Goals 3: ASHRAE Building Quotient. **Swami**; updated needed on which option (see 6/13 minutes) will be utilized
- Goal 4: Investigate interface between r25 classroom schedule software & BAS; this would likely be policy heavy and would require the buy-in of college deans; the project itself is not cost prohibitive, rather heavy on the logistical end; a senior design team could create the interface



**Sustainability  
Initiatives**

## **New Business:**

### Water

- We should be able to analyze restroom water usage in building comparing current usage with the initial building models
- OEIS has added water data. Noted that while the majority of reclaimed water usage on campus is for irrigation, some buildings use reclaimed in restrooms; suggested that the current OEIS water label “irrigation” should be changed to “reclaimed,” and notate buildings using reclaimed water for non-irrigation purposes.

### SWAT structure

- Suggestion to merge Buildings with Energy
- Suggestion to merge Water with Land

## **Action Items**

- Yara- organize a SWAT land meeting with Patrick’s team
- Patrick- discuss the merge of Water and Land with Chris Kennedy
- Dave- discuss the merge of Buildings and Energy with Curt Wade
- Swami- BEQ + course option selection

## **Next Meeting: TBD**

