

Student Green Initiatives

Updated 9.14.15

1. “Bigbelly” solar trash cans: www.bigbellysolar.com
 - I. Solar Powered Trash Compactors. A Trash Can that will compact the solid waste inside and hold five times the amount of trash in the same footprint.
 - II. Implementation includes a Management Software. Can be implemented on a small scale and slowly increased number of bins but may be more cost effective on a larger scale implementation.
 - III. Quote for product has been submitted to E,H&S by “Adrite” a BigBelly distributor.
2. Irrigation Sensor System:
A system to detect when watering is needed.
3. Retrofitting University Lighting:
Move away from incandescent and florescent lighting in university buildings.
Complete the Library LED project.
4. Solar Panels Parking lights, and Hike-N-Bike trail lights:
Lighting from stored battery electricity generated from solar panels to illuminate parking lots and Hike-N-Bike trail.
5. Solar powered water heater on campus:
Using either, or both, Sun Heat and solar panel electrical power to heat water or power water heaters for campus buildings.
6. Touch less Hydration Station Project: ongoing
These stations can be found at the following locations: Corpus Christi Hall, Student Welcome Center, Facilities Service, Conrad Blucher, Dugan Wellness Center, Center for Instruction, Bell Library, Center for Science 2nd floor
7. Condensate Water Collection System for Corpus Christi Hall: Condensate water will be collected from the HVAC system at Corpus Christi Hall and diverted to a storage tank. A pump and water line will direct water to the existing irrigation system to water the area between Corpus Christi Hall and University Services Center. Project will conserve 600 to 800 gallons of water per day during the hot summer months. Project will consist of purchasing a 1000 gallon tank, pump, controls, and pipe. Materials will be installed by Facilities Services. Cost \$5,000.
8. Hummingbird and/or Butterfly Gardens for the Campus.

9. Solar car ports - *by Petru Simionescu*
<http://www.rbisolar.com/solutions/solar-carport>
<http://www.carportstructures.com/solar-carports>

or sun tracking solar panels
<http://sedonasolartechnology.com>
<http://www.sunflowerenergyinc.com/index.html>
10. Solar Panel Shade Canopy
- Solar Power Dok www.energusioninc.com
11. Programmable Timed Urinal Flusher Retrofit.
12. LED stage lights for the Performing Arts Center.