**CEST Land Use Working Group**

11/30/09 Meeting Notes

**Attendees**

Kris Bass, Biological & Agricultural Engineering

Bill Beardall, Facilities Operations

Brooke Boyle, Transportation

Barbara Doll, Sea Grant Program

Rob Farrell, NCSU Libraries

Mike Harwood, Centennial Campus Development

Rich Henderson, Audubon Environmental, Inc.

Yu-Fei Leung, Parks, Recreation & Tourism Management

Tom Skolnicki, Office of the University Architect

Tracy Dixon, Facilities Operation (Sustainability Director)

Lisa Johnson, Office of the University Architect

**Introductions**

**Meeting Purpose**

Lisa Johnson reviewed the reporting template for the working group and indicated the main focus of the next couple of meetings would be to develop a vision statement and 5-year strategies for Land Use at NC State.

**NC State Sustainability History and CEST**

Tracy Dixon existing mandates and commitments the university has made. The CEST (Campus Environmental Sustainability Team) Charge was reviewed:

* Phase 1: Produce a NC State 5-year Sustainability Strategic Plan by January 2010
* Phase 2: Participate in the creation of NC State’s Climate Action Plan (CAP) , starting Spring 2010
* Phase 3: Sustainability Tactical Plan and revisit Sustainability Strategic Plan once CAP is complete

**Land Use Status**

To provide a little background on what NC State has been doing regarding *land use*, the following documents were distributed and briefly discussed:

* Land Use section from the 2006 Campus Environmental Sustainability Assessment
* Land Use section from the ’07-’08 and ’08-’09 Annual Sustainability Reports
* 2007 Physical MP Guiding Principles and Sustainable Design pages

The 2006 Assessment included five sub-sections for land use; Use of Space, Restoration, Conservation, Grounds Management, and Storm Water Management. The group decided to use these sub-sections to guide initial discussions.

**Discussion**

Use of Space

* Better utilize space – impacts the building size and land area needed
* Develop a space management plan to assist with improving space utilization
* Plan mixed-use campus neighborhoods – reduces the distance between necessary services
* Increase the number of students living on campus
* Decrease the density of planned campus development
* Provide structured parking in lieu of surface parking
* Reduce the number of student parking spaces to decrease parking need

Restoration

* Reduce pollution levels of storm water entering campus streams and creeks

Conservation

* Develop a management plan for Lake Raleigh Woods
* CC Tree Conservation Plan is in progress (T. Skolnicki)

Grounds Management

* Specify indigenous plant species
* Integrated Pest Management (IPM): further develop existing strategies – reduce volume of chemicals and use less toxic chemicals.
* Use storm water runoff for irrigation

Storm Water Management

* Provide good construction guidelines for earthwork – need proper soil preparation /good topsoil so new plant material will survive. (Some existing BMP are not successful due to improper soil preparation). Need a good management plan for topsoil.
* Require more progressive BMP’s. Don’t allow dry ponds or sand filters.
* Increase use pervious pavement

**Next Meeting**

The next meeting is on December 8, 2009 at 3:30 PM. Review Land Use meeting handouts and other resources at [www.ncsu.edu/sustainability/cest.php](http://www.ncsu.edu/sustainability/cest.php)