

Change Agent Group Goals-Built Environment

List of Current Sustainable Practices:

- UCSB has a green building policy in place that all new buildings programmed after July 1, 2004 have to meet LEED Silver
- UCSB was the first campus to receive a LEED NC certification. In 2002 Bren Hall was the first Laboratory building to receive LEED Platinum
- Fall of 2005, Girvetz Hall received LEED EB silver, first LEED EB building in the UC system
- UCSB uses the least amount of energy per square foot than any other UC campus
- UCSB irrigates 90% of the campus landscape with reclaimed water
- UCSB has implemented the use of waterless urinals and other low flow plumbing fixtures around campus
- UCSB has an extensive bike path throughout the campus and 9% of staff and faculty bike to work and 78% of students
- UCSB has 5 LEED accredited professionals on campus

Mission Statement:

To provide education and seek resources to transform the UCSB campus design, development, construction and modification process to ensure an energy efficient and environmentally responsible built environment.

Commitment:

Sustainability in building design, construction and operation is fundamental to and inseparable from our campus mission of providing a world-class environment for university work and a higher value for California's taxpayer.

UCSB's goal is to lead other UC campuses, universities, and the private sector by example and to offer a significant role in transforming society's perception of sustainability. We are committed to creating superior work/study places that reduce negative impacts on the environment, while enhancing the health of our building occupants.

Long Term Vision:

- Renewable energy generated on site / non-depletable.
- Water use would be commensurate with site rainfall and managed to match.
- Materials – recycled, reused, or sustainable harvested. Nontoxic and either biodegradable or recyclable.
- Design embraces closed loop material system
- Work environment would be safe and healthy for both workers constructing new facilities and occupying new spaces.
- Zero Waste / zero pollution.
- Zero net habitat impact.

Goals: (measurable or numerical data)

Short term (0-1 years)

1. Each campus committee, including DRC, CPC and Buildings Committees will have a sustainability representative.
2. Develop a UCSB Green Checklist based off UCSB design guidelines. Have the design team fill out the checklist and provide a detail explanation on how they are achieving the criteria.
3. Educate building committees on what sustainable design is and what Facilities Management would like to see in their building designs.
4. Establish campus sustainability standards for new building construction and renovation work. Make these standards available on our web site.
5. Develop Sustainable Design Language for Consultant Proposal Requests and University Contracts.
6. Buildings should showcase sustainable design techniques in a "Building that Teaches" approach.
7. Design buildings in a sustainable manner as described in both the "Whole Building Design Guideline", developed by the Federal Government and LEED, developed by the U.S.G.B.C.

Intermediate (1-5 years)

1. Both new constructions and major renovation projects go through an eco-charette.
2. Write up some stringent sustainability language that can be placed in design and building contract documents.
3. Select consultants based on proven skills in designing buildings that meet UCSB standards.
4. Building design would be flexible to accommodate future sustainable features.

Long Term (5-10 and 10-20+)

1. Continue to educate campus on impacts of new construction as well as resulting sustainable practices.
2. Build buildings with a close loop process

Barriers:

- State funds for buildings, budget does not look at lifecycle cost, and budget amount is never enough
- Design teams working on buildings do not have the expertise in sustainable design even though they say they do
- Apathy, lack of knowledge and fear of change

Metrics:

- Track square footage of LEED NC, EB, CI buildings

- Benchmark similar buildings against each other administrative, light research, heavy research
- Develop performance standards based off performance of the green buildings and green building retrofits.

Action Items:

- Set targets to make sustainability a standard way of doing business.
- Develop sustainable guidelines for new construction and retrofits
- Insure that all consultants are educated in the process
- Continue to work on low flow hoods to pass Cal-OSHA
- Develop metric spreadsheet