

Bridging the Gap:

The Platinum LEED Building – A High Performance Operations Catalyst



**FEFPA Summer 2011 Conference
July 5-8th**

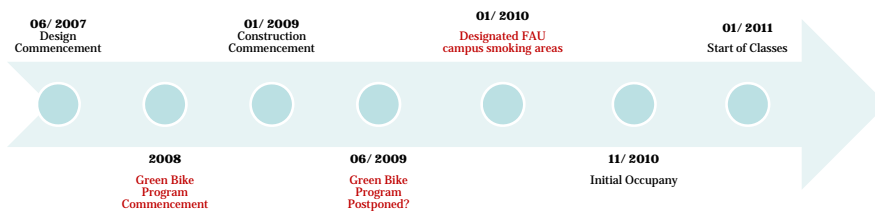
Session Overview

- FAU Organizational Sustainability Foundation
- Project-Specific Design Lessons
- Project-Specific Construction Lessons
- Owner Turn-Over / Occupancy Transition Lessons
- Facility Operational Innovations
- Project impact on FAU Sustainability Plan

Session Objectives

- Better anticipate some schedule and budget considerations for high performance facility designs.
- Be more aware of some of the unique technologies/strategies incorporated into this case study project.
- More readily identify symbiotic sustainability opportunities for both capital projects and operational initiatives

College of E & CS Timeline



FAU Sustainability Plan



FAU Student Sustainability Association



FAU Sustainability Outreach



FAU Student Sustainability Outreach

FAU | FLORIDA ATLANTIC UNIVERSITY | TRANSPORTATION OPTIONS

[Home](#) [Transit](#) [Carpool](#) [ERH](#) [Bicycle](#) [Other Services](#) [About Us](#) [back to get2fau](#)

FAU's **P**ledge for **S**ustainable **A**lternatives!

SUBMIT MY PSA VIDEO

Participate in the Earth Day 2011 PSA Contest and Win a Kodak Zi8 Pocket Video Camera

Mission Green Student Association is asking the FAU community to Pledge for Sustainable Alternatives by participating in the Earth Day 2011 PSA contest. We have partnered with South Florida Commuter Services (SFCS) and the City of Boca Raton to bring awareness to ways we can continue to accomplish the University's sustainability initiatives and our commitment to environmental concerns.

The contest invites participating teams to choose from five topics and make a 2 minute PSA-style video promoting sustainability. Topics include Transportation, Energy, Clean Water, Waste Management, and Conservation.

FAU Alternative Transportation Programs

FAU FLORIDA ATLANTIC UNIVERSITY TRANSPORTATION OPTIONS

Home Transit Carpool ERH Bicycle Other Services About Us back to get2fau

BOCA RATON CAMPUS

TRANSIT
Learn what train and bus routes can get you to FAU. [read more](#)

CARPPOOLING
Learn about FAU's carpool matching & parking. [read more](#)

EMERGENCY RIDE HOME
Share the ride & get free rides in an emergency. [read more](#)

LOW EMISSION VEHICLES
Learn about FAU's LEV Program. [read more](#)

mission green
A program of the Florida Department of Transportation

CAMPUS TO CAMPUS
Get info on how to connect from one campus to the next.

OTHER SERVICES
Get live traffic updates, find park & ride lots, calculate your costs, & more.

WHAT'S NEW
Join the Earth Day 2011 PSA Contest and Win a Kodak Z8 video camera.

FAU Alternative Transportation Programs



FAU Transportation Program Enforcement



FAU Transportation Program Enforcement



Illustration by Colleen Walizer

FAU Recycling Program

HOW IT WORKS

Outdoor receptacles around campus are divided into three different compartments: non-recyclable waste, paper, cardboard and commingled (glass, plastic and metals). There are also solar powered compactors equipped to handle recycling.



Within the offices around FAU campuses, smaller receptacles are also set up for the staff. A small blue recycling bin is provided to office workers with a separate paper from non-recyclable waste. Only paper is to be placed in the main blue compartment and non-recyclable waste in the small black container. All plastic and glass should be deposited in appropriate containers found in most buildings (see below). Office areas are also suited with larger, three-compartment receptacles for other recyclable materials.

FAU Waste Reduction Initiatives

3 STEPS TO A LIGHTER FOOTPRINT ON OUR ENVIRONMENT



Get your reusable Eco-Clamshell to-go container for only \$5

1. Purchase a reusable Eco-Clamshell at the Center Marketplace.
2. Return your clean Eco-Clamshell when you swipe for a to-go meal.
3. Receive a sanitized Eco-Clamshell for your meal.



EVERYDAY IS EARTH DAY



Compass Group (CHS) will only purchase sustainable seafood. This program is managed for the Packard Foundation-funded Fishing Watch Project. The initiative impacts over one million



Food Service program only permits the purchase of cage-free eggs - the policy impacts hundreds of thousands of farm animals nationally each year. At FAU, nearly 12,000 dozen cage-free eggs are



No Trans Fat - FAU does not use Trans Fat oils in the production of any food on our campus.

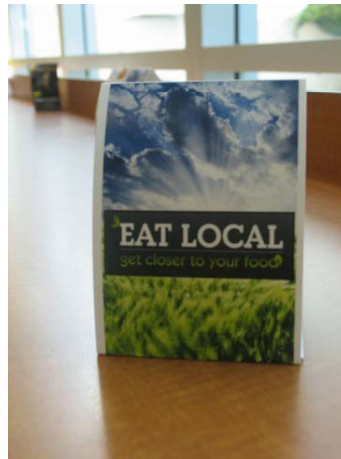
GO TRAY-LESS
to reduce food waste, save water and reduce energy & chemicals!



EVERYDAY IS EARTH DAY!
FAU Dining Services

Reduced the use of plates in the Center Marketplace (instead using foil), with nearly one million meals served per year, the elimination of trays reduce water

FAU Food Services Sustainability



FAU Campus Designated Smoking Areas



FAU Campus Designated Smoking Areas



Eco-Charrette Design Kick-Off



First Floor



Second Floor



Third Floor



Fourth Floor



Fifth Floor



Roof / Penthouse Level



College of Engineering & Computer Science



College of Engineering & Computer Science



College of E&CS Native Landscaping



College of E&CS Natural Habitat



College of E&CS Preserve & Sun Shades



College of E&CS Vegetated Roof & Cistern



College of E&CS Interior Sun Shades

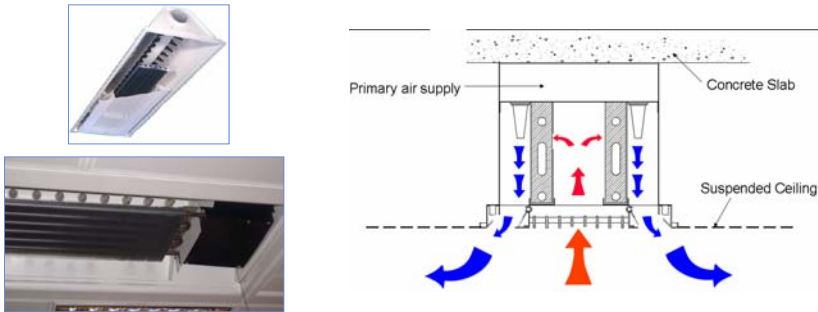


College of E&CS Chilled Beams



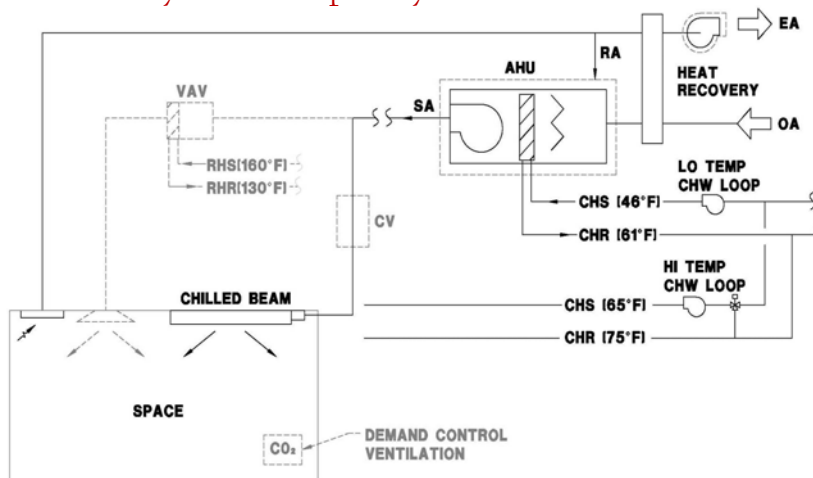
Chilled Beam Technology

Two types: Active and Passive
Active – direct air connection

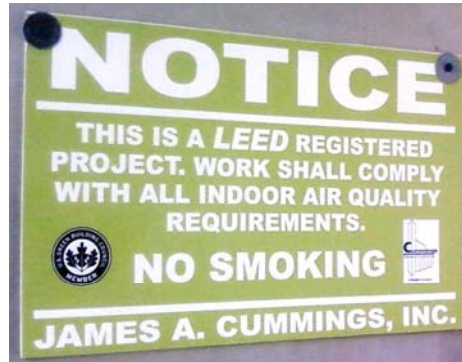


Chilled Beam Technology

System Concept – Hybrid CB and VAV



College of E&CS Construction IAQ



College of E&CS DeviceWISE Dashboard



College of E&CS DeviceWISE Dashboard



College of E&CS Central Server Room

Cloud Technology facilitates more effective heat recovery



College of E&CS Owner Turn-Over

Staff training and preventive maintenance

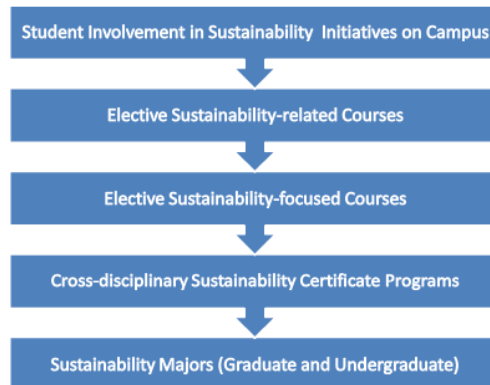


Photo by Gideon Grudo

President Saunders observes the different pipes in the utility room of the new College of Engineering and Computer Science building. Several areas of the building, including the main student area known as the Cube, feature deliberately exposed piping. Pipes are color-coded based on what runs through them so that students can observe parts of how the building operates.

Sustainability Curriculum

Possible Progression of Sustainability Curriculum Integration



Catalyst for Future Campus Standards



Questions?

