University of Colorado
Colorado Springs

The Osborne Center earned 40 points for LEED Gold Certification for New Construction from the US Green Building Council

OSBORNE CENTER for SCIENCE & ENGINEERING

University of Colorado
Boulder | Colorado Springs | Denver | Anschutz Medical Campus

The 156,00 square foot **Osborne Center for Science & Engineering,** creates collaborative learning opportunities for students, faculty, staff and community. It brings together the departments of biology, physics, mechanical and aerospace engineering, the Institute for Science and Space Studies, and the CU Institute for Bioenergetics.

Leadership in Energy and Environmental Design—Green Feature Highlights

Sustainable Sites

- Access to public/campus transportation
- Bicycle storage and changing rooms
- Preservation of open space equal to 94,674 square feet or double the building footprint for life of building
- Reflective roof to reduce solar absorption
- Minimization of light pollution during night operating hours

Visit our green kiosk with real time energy use and solar production monitoring in Level 2 lobby or visit:
www.uccs.edu/kiosk/seng

Materials and Resources

- On site-recycling receptacles for paper, plastic, cardboard, glass and metals
- Construction waste recycling diverted over 94% of construction materials from landfill
- Locally sourced materials exceed 50%, by cost, for the project

The building also functions as a destination for K-12 field trips to inspire young visitors about math, science, engineering, and computing disciplines.

Energy and Atmosphere

- Building designed to be 32% more energy efficient than baseline building
- 13.6 kW thin film solar electric system
- Heat recovery system to capture energy from exhaust heat from laboratory fume hoods
- Commissioning of building systems to ensure performance
- Ice Storage system to reduce peak demand energy use and save money
- Window treatments including Low-E and fritted glass and sunshades to reduce solar gain

Indoor Environmental Quality

- Low-chemical paints, adhesives, sealants, carpets, and composite wood products
- Construction Indoor Air Management
- High degree of individual controllability for lighting systems and thermal comfort
- Outdoor air delivery monitoring through CO2 sensors

2009 recipient of
Colorado Renewable Energy Society award for Institutional Building category.

Water Efficiency

- Efficient plumbing fixtures projected to reduce building water use by over 40%

Innovation

- Exceed 40% in recycled content
- Exceed 40% in water use reduction
- LEED Education/Public Awareness

Office of **Sustainability**
www.uccs.edu/sustain