

## **CREIGHTON UNIVERSITY SUSTAINABLE DESIGN PROCESS**

In the interest of being good stewards of the environment, Creighton University has implemented sustainable building goals and requirements into their design guidelines. Sustainable design is still evolving and Creighton University recognizes this fact and reserves the right to adapt its guidelines regarding sustainable design as new methods and products are developed.

Facilities Management Planning and Design is responsible for providing Creighton University with technical assistance and planning support when there are proposed revisions to the master plan or request capital projects including new buildings and renovation of existing facilities. As the first point of campus contact, our focus is to provide guidance towards the development of facilities that meet the educational needs of students while making campus operations as efficient and sustainable as possible. The goals and requirements being implemented are based on the Leadership in Energy and Environmental Design program for New Construction (LEED-NC) which is sponsored by the United States Green Building Council (USGBC). This program encompasses a holistic approach to sustainable design.

Creating more environmentally responsible buildings and campus plans not only reduces negative impacts on the environment but also furthers the educational mission of the Creighton University by making sustainability visible and recognizable as an essential part of the built environment.

Facilities Management Planning and Design will work in unison with the A/E firms and contractors to ensure that sustainability goals are incorporated into every aspect of planning for the program, design and budget of Creighton University facilities.

Current Creighton University efforts include:

- Reviewing the potential for incorporating sustainability measures in buildings during the feasibility phase of planning
- Promoting facilities of high durability, flexibility and long term use expectancy
- Encouraging pedestrian oriented campus designs; siting buildings for optimal use of microclimate, solar orientation, photovoltaics, and other energy conservation measures
- Ensuring existing building space is used as efficiently as possible and occupied to the fullest extent before constructing additional facilities
- Promoting renovation and reuse of existing buildings
- Evaluating existing buildings for optimum systems efficiency and upgrading with more efficient systems
- Commissioning the project through on-site inspection, operator training and job close out required testing
- Reducing paper, plastic and water consumption during daily operations and incorporating recycled materials to the greatest extent possible
- Ensuring the purchase and install of Energy Star rated equipment
- Learning from our collective experience; training others in sustainable practices

Creighton University currently does not engage in the certification process, however the goal of Creighton University is to design projects so that they will meet the LEED criteria for a "Silver" certification, consideration will be given of obtaining a higher certification target -- a "stretch" goal -- to stimulate creativity.