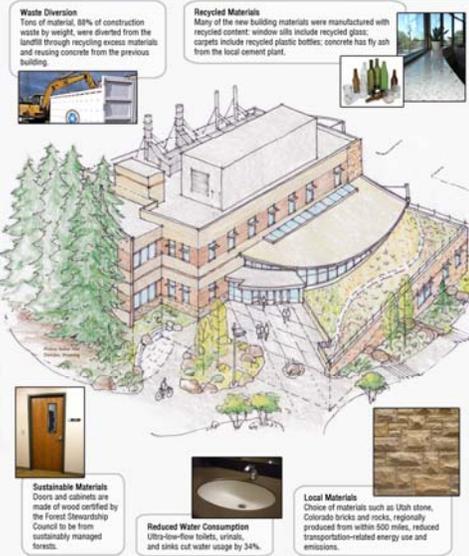


## UW— Biodiversity in a LEED Gold Facility

### GREEN BUILDING STRATEGIES ROBERT & CAROL BERRY BIODIVERSITY CONSERVATION CENTER BUILDING MATERIALS AND RESOURCE USE



The University of Wyoming (UW) Berry Biodiversity Conservation Center is the location of Laramie's only living roof. This is one of the many features of the project contributing to the Leadership in Energy and Environmental Design (LEED) Gold certification. The Berry Center is the third building on the UW campus to be formally certified at the Gold level. In addition to the living roof, the Berry Center also showcases sustainable features that include locally sourced building materials, natural air ventilation, native or adapted landscape vegetation and building exhaust energy recovery.

As a "green building" it supports the mission of the students and scientists interested in biodiversity conservation. It is used as a teaching tool to demonstrate that green building features not only reduce human impacts on the natural world, but that the outdoor space, including the local native-prairie green roof, can actually enhance biodiversity in an urban environment.

It was designed to be open and inviting as a place for people to come together. The 44,000 sq. ft. building that houses multiple groups and individuals that study plants, animals and other organisms and the ways in which they interact. The Biodiversity Institute, Stable Isotope Facility, Wyoming Natural Diversity Database and the UW Vertebrate Museum are a few of these groups. In addition to laboratory and archive facilities, the building includes four classrooms and office space for graduate students and faculty.

The location of Berry Center sits at a route connecting residences and parking to the academic and research area of campus. Prior to the creation of the Berry Center this service entrance route was basically a back door alley. Now building's elevator and the winding landscape paths provide an inviting accessible route.

The facility also demonstrates what can be accomplished when owners, users, architects and builders keep the long-term health of occupants and the environment as a priority through the design and construction process.

The presentation will demonstrate how the facility is used as a teaching tool. It demonstrates blending of sustainable building with accessibility, research, classrooms, office, and circulation throughout.

Members of the project team representing the University, design and engineering consultants, and construction management will be on hand to discuss design and construction challenges, lessons learned, and how the building is performing. Following the presentation will be tours of the facility where attendees can experience the features discussed in the presentation.

#### Learning Objectives:

At the end of this program, participants will be able to:

1. List sustainable building features and how they apply to teaching, research, and the occupants.
2. Identify how the building design improved accessibility to the campus.
3. Describe how a common goal of sustainability through design and construction improves the long-term health of the occupants.
4. Recognize efficient design and construction practices from the lessons learned on this project.

