

Sustainability

Both the University and the State are making great strides in green building construction and renovation. These efforts will help the campus conserve energy, reduce the use of raw materials, and save money. Over time, more members of the campus community will live, work, and learn in increasingly efficient buildings while enjoying a higher standard of indoor environmental quality.

Planning, Design & Construction has established the following Sustainability Mission Statement:

"Promote environmental stewardship through wise management of resources."

The Department of Planning, Design & Construction will implement our mission statement by incorporating responsible planning, design, and construction practices that:

- Create a safe, healthy, comfortable, and inviting environment
- Conserve energy
- Conserve water
- Reduce construction waste
- Provide site sensitive development
- Utilize daylighting within facilities
- Use materials responsibly
- Optimize indoor air quality
- Develop a people friendly outdoor environment



For more information on what the University is doing to promote sustainability click on the following links:

[Sustainability in Construction](#)

[Sustainability Tracking Assessment & Rating System](#)

[Green Buildings](#)

Sustainability in Construction

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Building Sites

Among other criteria, building sites are selected based on the ability to:

- Provide access to public transportation

- Restore habitat
- Filter storm water runoff



Design Criteria/Facility Standards

The University has developed standards and design guidelines for new construction and building renovations on the Missouri State University campus. These guidelines are used by the design team to meet the programmatic needs of each project and cover topics including operations and maintenance, safety, energy efficiency, and material finishes. To insure the University's projects are designed in compliance with the University's green building commitment, our design criteria and facility standards are being revised to address environmental stewardship and LEED design criteria.

Each new building is designed with a focus on:

- Maximizing open space
- Facilitating community connectivity
- Providing views from 90% of regularly occupied spaces
- Including priority parking for car-pool and fuel-efficient vehicles
- Planting native or adaptive landscaping that does not require irrigation
- Reducing light pollution

Construction Practices

Missouri State University's commitment to sustainability pairs well with the growth of our campus. Our focus on sustainable construction includes designing and building all new projects to green standards, including those set by [Leadership in Energy and Environmental Design \(LEED\)](#).

Our sustainable construction process includes:

- Having a LEED Accredited Professional (AP) on the design and construction team
- Using local and recycled building materials, Forestry Stewardship Council (FSC) certified wood, carpet and paint with low-emitting volatile organic compounds (VOC), and composite wood that contains no added formaldehyde resins
- Protecting HVAC system from dust and moisture during construction
- Controlling the source of chemicals and pollutants from entering occupied spaces
- Preventing pollution from construction activity
- Diverting 50% - 75% of construction waste from landfills



Energy Efficiency

Completed buildings will include the following energy efficiency measures:

- 20%-30% reduction in water usage
- Access to lighting control
- Storage and collection of recyclables
- Fundamental and enhanced refrigerant management
- Exceeding minimum energy performance by at least 14% and providing fundamental and enhanced commissioning of building energy systems
- Exceeding minimum indoor air quality (IAQ) standards, prohibiting smoking inside the building and away from entrances and ventilation intakes, and monitoring delivery of outdoor air
- Green housekeeping procedures

For more information about other sustainability initiatives at MSU: <http://www.missouristate.edu/sustainability/>