

MU Planning Principles

Reinforce the University Mission & Values

Organize facilities and places to promote MU's mission and values.

Pride of the State

Express the importance of the campus to the state, nation and world.

Strong 'Sense of Place'

Make the campus a distinctively meaningful and memorable place for all members of the university community and for the citizens of Missouri.

Diversity with Unity

Create and maintain campus settings that bring together the diversity of people, heritages and culture.

Recruitment-Retention

Emphasize the qualities of the campus that help attract and keep students, faculty and staff.

Planning & Design Integrity

Provide facilities and grounds that meet the functional needs of the institution and that comply with the intent of the design principles to provide an overall aesthetic and pleasing campus experience.

Environmental Sustainability

Embrace suitable strategies in promoting sustainable sites, water efficiency, energy and atmosphere, materials and resources, and indoor environmental quality.

Enhance Community Spirit

Locate campus functions in close proximity to enhance scholarly activities and social interaction within a safe and secure campus.

Respect Natural & Architectural Heritage

Design facilities to respect the scale, materials and textures embodied in the historic architecture and natural landscape of the campus.

Allow for Prudent Expansion of Campus Functions

Provide for facilities expansion in ways that respect neighbors and effectively utilize limited land resources, while conserving and protecting natural resources.

Pedestrian Dominance

Maintain a pedestrian-dominant campus recognizing and gracefully accommodating the need for bicycles and vehicles.

Transportation & Vehicle Circulation

Maintain a safe, functional and aesthetically compatible system of transportation, vehicle circulation and parking.

Respond to Accessibility Needs

Continue the tradition of providing optimal access to persons with disabilities.

Facilities & Grounds Stewardship

Preserve the quality and utility of existing facilities for sustainable use of established resources.

Ongoing Renovation

Projects Upgrade Systems, Improve Space Use

Renovations at the University of Missouri are comprehensive efforts to address capital renewal, deferred maintenance and plan/program adaptation.

"Campus Facilities wants the work that we do to add value to MU's education and research missions," said Gary Ward, associate vice chancellor-facilities. "By renovating existing space on campus, we are able to replace utility infrastructure, meet current codes and make better use of outdated classrooms, research labs and other teaching spaces."

Renovations under way at Tate (English department) and Switzler (Communications department and College of Arts & Science Special Degree Programs) replace existing mechanical, plumbing, electrical and telephone systems that have reached or exceeded their useful life (Capital Renewal and Deferred Maintenance). Both projects address Plan/Program Adaptation to meet current codes, including improved ADA accessibility, fire protection, fire alarm and security systems. Interior redesigns provide state-of-the-art facilities that make better use of existing space by increasing the number of classroom seats and faculty offices—priorities for the Provost's Office that meet the education and research missions of Mizzou. In addition to Tate and Switzler halls, MU has identified 31 other academic buildings that are in need of a similar full building renovation.

Plans to renovate Gwynn Hall (the College of Human and Environmental Sciences, and the departments of Nutrition & Exercise Physiology and Textile & Apparel Management) are in the beginning stages. Construction is slated to begin in summer 2013. The nearly \$9 million project is campus funded and is similar to the Tate Hall renovation, as interior floors remain but infrastructure and life safety systems will be replaced. The renovation of Gwynn, built in 1920, is critical to provide appropriate spaces and services necessary to propel teaching and multidisciplinary research in HES.

Renovations for Mark Twain dining and residence hall are in design. The hall will close in Dec. 2011, and construction should begin in February 2012.



University of Missouri
180 General Services Building
Columbia, MO 65211
t: 573.882.3091
<http://www.cf.missouri.edu/masterplan/>



An architectural studies classroom in Gwynn Hall will be renovated to better use the existing space as well as update lighting and improve ADA accessibility, fire protection and fire safety systems.

Links

Find out more about the MU Campus Master Plan

CAMPUS BACKGROUND

1. MU Statement of Values
<http://chancellor.missouri.edu/plansPriorities/values.php>

2. MU Mission
<http://www.missouri.edu/about/mission.php>

3. Campus Master Plan
<http://www.cf.missouri.edu/masterplan/intro/intro.html>

4. Sustainability Policy
<http://sustainability.missouri.edu/about/mission.html>

5. Mizzou Advantage
<http://www.missouri.edu/mizzou-advantage/>

ENERGY

6. Energy Conservation Projects
http://www.cf.missouri.edu/energy/em_conserve/index.html

EDUCATION AND OUTREACH

7. Environmental Affairs and Sustainability Committee
<http://committees.missouri.edu/environmental-affairs/>

8. Sustainability Office
<http://sustainability.missouri.edu>

9. Student Sustainability
<http://studentsustainability.missouri.edu/>

10. Research
<http://chancellor.missouri.edu/plansPriorities/energy-researchers/energy-research.php>

REPORT

11. MU Sustainability Task Force Report, January 2009
<http://committees.missouri.edu/environmental-affairs/docs/sustainability%20report-2009.pdf>



Campus Master Plan Update

UNIVERSITY OF MISSOURI
MARCH 2011 DRAFT

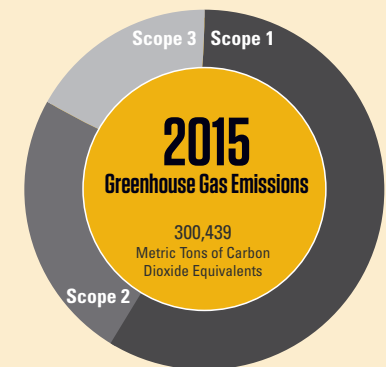
2011

Stewardship

The University of Missouri, a flagship institution, prides itself in taking a leadership role in environmental stewardship. The University has broadened its role as steward of the environment by becoming a leader in compact development, by establishing policies that protect natural systems within its boundaries, and by adopting best-use practices in building and landscape projects—including the creation of a campus-wide botanic garden in August 1999.

MU has committed to sustainable guidelines for managing the environmental impacts of its activities, operations and services. MU is one of the most forward-thinking institutions for energy efficiency and building-space efficiency, and is working to further its positive impact in both directions. The university has chosen a strategy of renovating and repurposing existing campus buildings because it makes sense both fiscally and environmentally.

Importantly, MU's innovative research and teaching trains current and future leaders to create better environments well outside the boundaries of Columbia.



MU Commits to Reduce Emissions by 20% between 2008 and 2015

CLIMATE ACTION PLAN

Sustainability a Priority at MU

Over the last two years, the University has taken three important steps to becoming more sustainable.

First, Chancellor Deaton signed the American College and University Presidents' Climate Commitment, providing direction for MU to work toward a climate-neutral future.

Second, MU completed its Climate Action Plan which outlines a 20% reduction in emissions by 2015.

And, **third**, the University committed to integrating its Climate Action Plan and Master Plan, updating each annually.

Carrying Capacity

Study to Determine Future Space Use, Needs

As part of university space stewardship, a better understanding of existing space could aid strategic decisions around enrollment growth, renovation and program adjacencies. The Carrying Capacity Project has a two-fold purpose: to explore campuswide how existing facilities are being used today and to understand the pinch points for various types of space if enrollment continues to grow.

Under the guidance of the MU master planner, Phase 1 of the Carrying Capacity Project began in November 2010 and focuses on the needs of teaching and learning space on the main campus. Working closely with academic leadership, the registrar, and Campus Facilities-Space Planning and Management, this portion of the study will give better understanding to the types of facilities in use today for teaching and office space. Future phases will focus on other campus space, such as study, housing and research spaces, and will determine recommendations for space use that supports MU's academic and facilities goals.

As enrollments rise, discovering the limit of MU's existing facilities to teach students is a key question explored through the Carrying Capacity Project.

Utility Upgrades

Multiple Projects Improve Energy Efficiency

Ongoing projects to replace Mizzou's aging infrastructure across campus will not only improve energy efficiency, they will ultimately save money and reduce the university's carbon footprint, too.

A 100 percent biomass boiler will replace a coal-fired boiler and will be ready for use in fall 2012 at the MU Power Plant. Woody biomass will be purchased in mid-Missouri, and collaboration with the MU forestry department will ensure that it is sustainably harvested.

The East Campus Chilled Water Plant is in design, and construction will begin in spring 2012. This chilled water plant will provide air conditioning to new facilities, including MU Health Care's Patient Care Tower, and will provide the capacity to replace older, inefficient chillers. Additionally, three steam line projects are under way which will help reduce energy loss from older steam lines containing deteriorated or inadequate insulation.

A solar thermal feasibility study is being conducted with grant support from the Missouri Department of Natural Resources. The study will determine if solar thermal panels mounted on the plant's rooftop can be integrated at MU's Combined Heat and Power Plant to preheat boiler water. If the study results are favorable, this project could be in Mizzou's future when funding is available.

The new steam tunnel replaces one that was constructed nearly 90 years ago. It improves steam distribution efficiency, reliability, capacity, security, and access for maintenance.

Campus Master Plan Main Campus

**Jesse Hall**
EL: Ellis Library
MSU: Memorial Student Union

**PROJECTS RECENTLY COMPLETED**
1: Bike lane and route marking (phase II)
2: Women's and Children's Hospital Renovations
3: Hinkson Creek Bridge (City Project)
4: Missouri Orthopaedic Institute
5: Rollins Group Renovation
6: Stadium Boulevard Sidewalks (Get About Columbia project)
7: Steam Tunnel Upgrade
8: MU Student Center
9: Switzler Hall (scheduled to be complete in Spring 2011)
10: Tate Hall (scheduled to be complete in Spring 2011)
11: Thompson Center for Autism and Neurodevelopmental Disorders

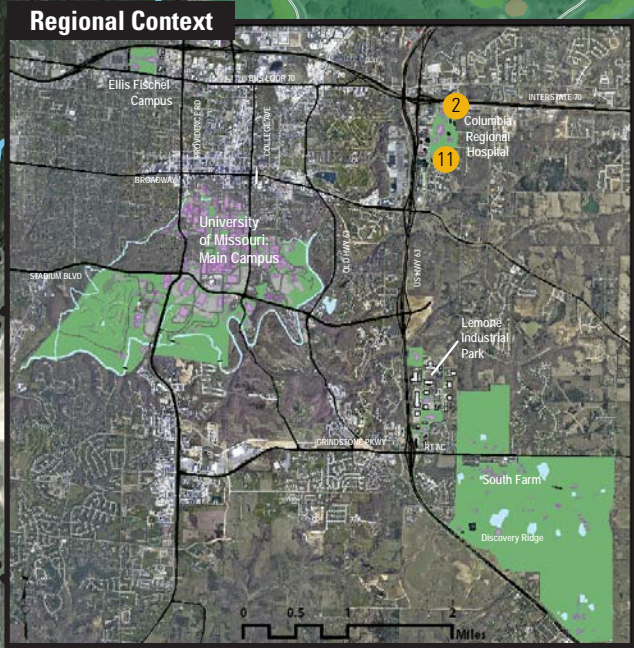
**IN DESIGN OR CONSTRUCTION**
12: Animal Resource Center
13: East Campus Chilled Water Plant
14: Fire Station Addition/Renovation
15: Gwynn Hall Renovations
16: Gymnastics and Dance Practice Facility
17: Mark Twain Hall Renovation
18: Pershing Commons Renovation
19: Power Plant Upgrades
20: University Hospital ER expansion
21: University Hospital Patient Care Tower

**IN PLANNING**
22: Dalton Auditorium Addition
23: Equine Facility
24: Food and Wine Complex
25: Plant Sciences Center (on site of current Ag Lab)
26: School of Health Professions (to be sited)
27: School of Nursing (to be sited)
28: School of Music/Performing Arts Center
29: Veterinary Medicine Addition

E&G BUILDINGS REQUIRING RENOVATIONS
A: Agriculture Building
B: Arts & Sciences Building
C: Crowder Hall
D: Curtis Hall
E: Engineering Building West
F: Fine Arts Building/Theatre
G: Gentry Hall
H: Hill Hall
I: Jesse Hall
J: Lafferre Hall
K: Lefevre Hall
L: Loeb Hall
M: McAlester Hall
N: McKee Hall
O: Middlebush Hall
P: Mumford Hall
Q: Neff Hall & Neff Annex
R: Noyes Hall
S: Old Student Health Center
T: Parker Hall
U: Physics Building
V: Read Hall
W: Schlundt Annex
X: Stewart Hall
Y: Strickland Hall
Z: Swallow Hall
AA: Tucker Hall
BB: Veterinary Medicine West
CC: Waters Hall
DD: Whitten Hall

The entire campus was designated Mizzou Botanic Garden in August 1999.

DRAFT 3•10•11
Comments and questions should be sent to the chair of the Campus Planning Committee, e-mail address: OkkerP@missouri.edu.
Revised edition scheduled for March 2012. For more information, see the MU Campus Master Plan Web site at <http://www.cf.missouri.edu/masterplan/>.



Base Map Legend

- Existing University Buildings
- Recreation/athletic fields
- Streams and ponds
- Possible future structures
- Parking lots
- University parking structures
- Major bikeways