

- MASTER PLANNING PRINCIPLES**
- Reinforce the University Mission and Values
 - Proclaim Pride of the State
 - Create a Strong Sense of Place
 - Blend Diversity with Unity
 - Consider Recruitment-Retention
 - Provide Planning and Design Integrity
 - Embrace Environmental Sustainability
 - Enhance Community Spirit
 - Respect Natural and Architectural Heritage
 - Allow for Prudent Expansion of Campus Functions
 - Retain Pedestrian Dominance
 - Maintain Transportation and Vehicular Circulation
 - Respond to Accessibility Needs
 - Preserve Facilities and Grounds Stewardship
- MU's master planning principles are consistent with the Board of Curators' goal "to maintain and make more efficient and attractive the university's physical plant."

THE STEWARDSHIP PLAN

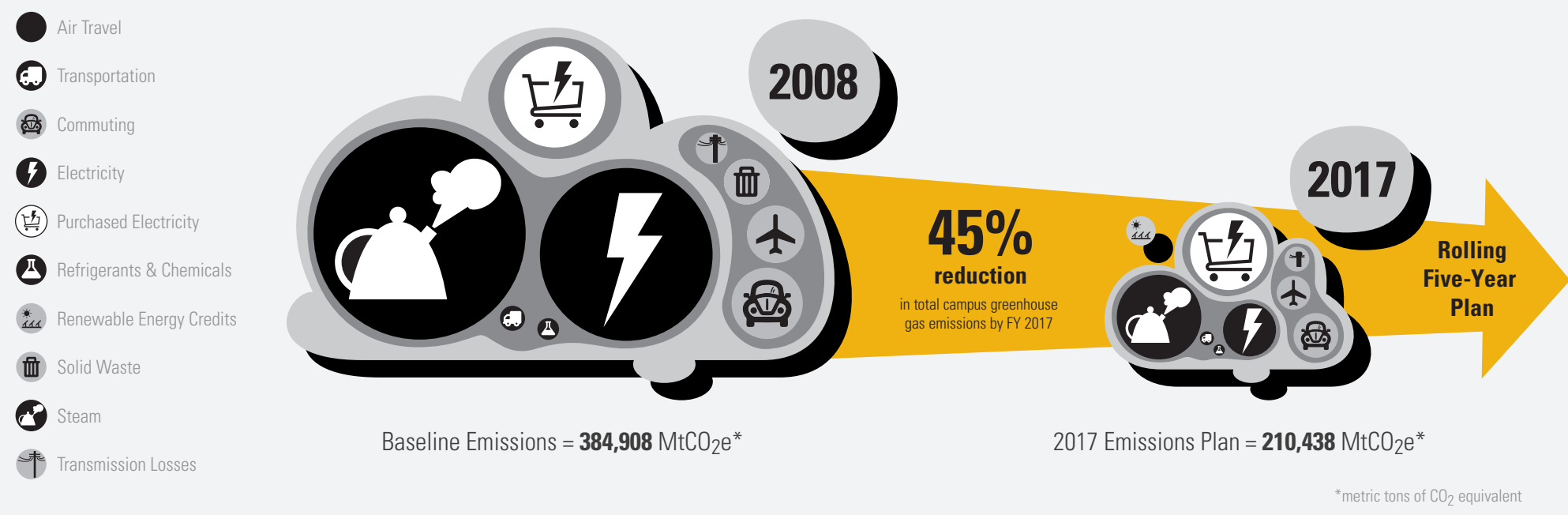
The University of Missouri's dedication to stewardship at the educational, environmental and fiscal levels originates from its missions of teaching, research, service and economic development. A commitment to practical renovation and repurposing strategies support the institution's values and incorporate a practice of fiscal and environmental responsibility. All planning efforts at Mizzou further support these goals.

MU's master planning process began more than 30 years ago to create a unified, efficient environment when planning for the future. Until this year, the master plan and sustainability plan have been updated independently. Now they are intentionally aligned and have expanded to include Intercollegiate Athletics, MU Health System, Residential Life and Campus Dining Services. This powerful combination promotes MU's leadership role within higher education in elevating the link between the physical campus and its profound contribution to the learning and research environment. This year, this document works in tandem with a website that details the achievements of the plan.

UNIVERSITY OF MISSOURI

2013 CAMPUS MASTER PLAN & SUSTAINABILITY PLAN UPDATE

CLIMATE ACTION PLAN UPDATE



RECENT ACCOMPLISHMENTS

- Carbon Emission Reduction:** 35 percent carbon emission reduction as of FY 2012.
- Renovations:** Energy use at Tate and Switzler halls decreased 27 percent following renovations.
- Renewable Energy:** MU purchased 6 million kWh of wind energy in FY 2012.
- Energy Conservation Savings:** Energy conservation saves MU \$7.5 million annually.

2013–2017 PLAN

- Achieve a 45 percent carbon emission reduction from the 2008 emissions baseline, based on the following assumptions:
- Fuel Mix:** Target a 75 percent reduction of coal use and increased use of biomass and natural gas from FY 2008 baseline.
- Renewable Energy:** MU will continue to purchase wind power and increase its renewable energy portfolio.
- Efficient Buildings:** MU will require energy modeling on all major construction projects.

MIZZOU'S A SUSTAINABILITY ROCK STAR*

MU's Sustainability Policy challenges departments to regularly evaluate current practices and make them more sustainable. Here are the 2013 Top Hits.

2013 CHART TOPPERS

- 1 MU STUDENTS CARE**
MU Environmental Leadership Office found that 76 percent of Mizzou's students are concerned about environmental issues.
- 2 ENERGY + RESEARCH + EDUCATION = \$**
Students and faculty study MU's new wind turbine.
- 3 WASTE = FOOD**
Bradford Research Farm composts Campus Dining's food waste, and Sustain Mizzou uses the compost to grow produce for campus.
- 4 SILVER STARS**
Mizzou's initiatives earned a Sustainability Tracking, Assessment and Rating System (STARS) silver ranking.
- 5 GREEN BUILDINGS**
Nine buildings are seeking LEED certification following MU's new Sustainable Design Guidelines.
- 6 SUSTAINABILITY TOP 10**
The MU Sustainability Office created a smartphone-powered environmental campus tour.
- + OTHER HITS**
Available on our website, sustainability.missouri.edu: Service Learning, sustainability in the curriculum, Mizzou Advantage, Show-Me Shop purchasing, Tiger Line, Mizzou Bike Share, Zero Waste and Stormwater Master Plan.



"Sustainability infiltrates every aspect of life on MU's campus."

— Princeton Review's Guide to Green Colleges*

M CAMPUS MASTER PLAN

Main Campus

Map Legend

Projects Recently Completed

- 1: Fire Station addition/renovation
- 2: Pershing Commons renovation
- 3: Hospital Drive reconstruction and realignment
- 4: Wind Turbine project
- 5: Animal Resource Center
- 6: Power Plant upgrade
- 7: University Hospital Patient Care Tower
- 8: WCH South Pavilion

In Design or Construction

- 9: East Campus Chilled Water Plant
- 10: Gwynn Hall
- 11: Mark Twain Hall renovation
- 12: Johnston and Wolpers halls renovation
- 13: Memorial Stadium west side renovation
- 14: Memorial Stadium north concourse expansion
- 15: Memorial Stadium east side addition
- 16: Taylor Stadium renovation and addition
- 17: University Field renovation and addition
- 18: Virginia Avenue South Housing
- 19: Turf Science building (South Farm)
- 20: Steam line to Lewis and Clark
- 21: South Providence medical clinic
- 22: Golf Facility at Old Hawthorne
- 23: Green Tennis Center expansion

In Planning

- 24: Manor House renovation
- 25: Hinkson Creek Project
- 26: Dobbs Group
- 27: Trulaske College of Business Applied Learning expansion
- 28: Veterinary Medicine addition
- 29: Missouri Orthopaedic Institute addition
- 30: State Historical Society
- 31: School of Music
- 32: University Hospital ER expansion
- 33: Food & Wine Complex

- Jesse Hall
- Potential LEED certified Building

Education & General Buildings Requiring Renovations

- A: Agriculture Building
- B: Arts & Sciences Building
- C: Crowder Hall
- D: Curtis Hall
- E: Engineering Building West
- F: Fine Arts Building/Rhynsburger 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

Base Map Legend

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



MU Power Plant

A 34 kW solar photovoltaic (PV) system has been installed on the new fuel unloading building as part of the biomass boiler project. The solar PV system provides additional renewable energy for MU and serves as an educational tool for students and faculty.



Gwynn Hall

Using MU's campuswide LEED approach, the renovation of Gwynn Hall is pursuing all available LEED credits for energy efficiency. The redesigned building will provide new office space, classrooms, research lab and a metabolic kitchen.



Johnston and Wolpers halls

A current residence hall renovation project, JW is one of the first projects on campus to use MU's new Sustainable Building Design guidelines. Project innovations include: reusing 95 percent of the existing structure, improved energy efficiency and improved stormwater management.



Hinkson Creek Project

Students and faculty planted willow trees in the Hinkson Bottoms as part of a research project to test whether the restoration of urban flood plain forests might help mitigate stormwater runoff.

Comments

Comments should be sent to: mumasterplan@missouri.edu
Revised edition scheduled for March 2014.

Links

masterplan.missouri.edu
sustainability.missouri.edu

ENVIRONMENTAL STATEMENT				
Printed on 100 percent recycled paper that contains 60 percent post-consumer waste.				
TREES	WATER	ENERGY	SOLID WASTE	GREENHOUSE GASES
7	3,402	228	228	627
fully grown	gallons	BTU	pounds	pounds of CO ₂

