



OP 01.27: SUSTAINABILITY, FACILITIES OPERATION, GROUNDS, MATERIALS, AND TRANSPORTATION

PURPOSE

The purpose of this policy in accordance with the Institutions of Higher Learning Sustainability Policy and with Mississippi State University's signatory commitment to the American College & University President's Climate Commitment is to set a framework and procedure for sustainable facility development and operations, grounds development and maintenance, materials procurement and disposal, and transportation.

POLICY

Mississippi State University (MSU) understands the impact of our landholdings, facilities, and campus activities on the economy and the environment, and thus we seek to develop a sustainable foundation that sets the framework for all campus activities. This policy covers all of the land and facilities of Mississippi State University.

MANAGEMENT

A Sustainability Committee shall be named by the Provost and Executive Vice President and the Vice President of Campus Services. The Committee will serve MSU by recommending practices for and to promote sustainable facility development and operations, grounds development and maintenance, materials procurement and disposal, and transportation. In addition, the Committee shall help guide the implementation of energy management and conservation efforts. This committee shall review requests for deviations to the guidelines set forth in the Mississippi State University Design and Construction Standards Manual and this policy and shall make recommendations regarding requests for deviations to the appropriate Vice President overseeing construction.

PROCEDURES

Facilities Operations – energy, construction, utilities:

- All projects must follow the Mississippi State University Design and Construction Standards Manual and must comply with the Sustainability Policy of the Institutions of Higher Learning unless approval for a deviation is obtained from the appropriate authority.
- All new construction and/or major repair and renovation of existing facilities must be designed to meet energy-efficient goals which exceed the most current year of the American Society of Heating, Refrigerating and Air-Conditioning Engineer's (ASHRAE) Standard 90.1 by 30% when determined life-cycle cost effective. Should

a professional determine that it is not cost effective to exceed ASHRAE 90.1 by 30%, the professional shall submit to the Sustainability Committee energy simulation modeling showing the initial cost associated with exceeding ASHRAE 90.1 by 30% as compared to the benefits of increased efficiency over a 10 year payback period. The Sustainability Committee shall review the modeling and shall have the opportunity to make recommendations to the Vice President overseeing construction.

- Renovation of historically significant buildings must meet or exceed ASHRAE 90.1 standards where appropriate for the scope of work and determined life-cycle cost effective. Should a professional determine that it is not cost effective to exceed ASHRAE 90.1 by 30%, the professional shall submit to the Sustainability Committee energy simulation modeling showing the initial cost associated with exceeding ASHRAE 90.1 by 30% as compared to the benefits of increased efficiency over a 10 year payback period. The Sustainability Committee shall review the modeling and shall have the opportunity to make recommendations to the Vice President overseeing construction.
- A minimum of 25% of the annual recurring savings from completed energy efficiency projects must be set aside each year in the appropriate fund and used to finance future energy efficiency projects. If debt is incurred to pay for and initiate said energy projects, the resulting savings must be first used to repay the debt. In the event that savings are greater than debt service, 25% of those savings above debt service shall be set aside in the appropriate fund.

Grounds – storm water management, native landscapes, reforestation:

- All landscape construction (plant selection, storm water management, construction standards) projects, reforestation, maintenance, or other landscape specific project must follow any applicable standard of the Mississippi State University Design and Construction Standards Manual and the Campus Master Plan. Other than specialized and unique MSU historical outdoor spaces (i.e. Drill Field; Junction), the landscape goal for the grounds should be based on current best practices in low maintenance landscape standards.

Materials – purchasing, waste, and recycling:

- All purchases must follow the Procurement and Contracts Environmental Purchasing Guide unless a deviation is approved by the Office of Procurement and Contracts. Life-cycle cost should be considered when making purchases – not just the initial purchase cost
- All divisions must implement a recycling program that complies with the recycling guidelines found at <https://www.sustainability.msstate.edu/recycling/campus-wide/> unless a deviation is approved by the Sustainability Committee.

Transportation – public transit, bike, pedestrian, car share:

- Efforts shall be made to expand the bike and sidewalk network to match those recommendations set forth by the Campus Master Plan.
- Efforts shall be made to expand the existing shuttle system to meet the goals of the Campus Master Plan.
- Efforts shall be made to purchase, electric or hybrid carts, shuttles, and service vehicles when feasible.
- Efforts shall be made to add infrastructure that promotes the use of electric and hybrid vehicles on campus, including PV-powered charging technologies.

REVIEW

The Vice President of Campus Services is responsible for the review of this policy every four years or as needed.

REVIEWED BY:

/s/ John D. Hardy
Associate Director for Engineering Services

01/03/2019
Date

/s/ Amy Tuck
Vice President for Campus Services

01/16/2019
Date

/s/ Timothy N. Chamblee
Assistant Vice President and Director
Institutional Research and Effectiveness

01/22/2019
Date

/s/ Joan Lucas
General Counsel

01/17/2019
Date

APPROVED BY:

/s/ Mark Keenum
President

01/24/2019
Date