

University Of South Carolina
Energy Policy

Office of Facility Services
Department of Energy Services
(Revised June 1, 2001)

University Of South Carolina

Energy Policy

General Policy Statement:

The University will strive to efficiently manage and reduce the consumption of energy in a manner that is consistent with providing an optimal learning and teaching environment. Methods employing efficient energy management and the utilization of energy efficient equipment and building systems will be preferred over radical restrictions during normal energy use. Building automation controls will be employed, when feasible, to provide the minimally required amount of energy at specific times and places.

Purpose:

The University's energy policy is designed to establish an understanding of the need for energy conservation and to implement methods of conserving energy and lowering energy costs.

Expectations:

- A) The University community will embrace the importance of this energy policy and the need for energy conservation.
- B) Occupants of University facilities will be encouraged to support energy conservation measures.
- C) Facility and energy operating staff will insure that energy conservation measures are implemented.
- D) Construction and renovation activities will be consistent with institutional energy guidelines.
- E) The University will plan activities according to time and location schedules that provide an optimal learning environment that also maximizes energy conservation and reduce utility consumption.
- F) The University will adopt temperature guidelines for the heating and cooling of classrooms, offices and general use/purpose spaces.
- G) The University will adopt lighting level standards for classrooms, offices, and general use/purpose spaces.

- H) The University will insure that lighting for security purposes will not be reduced (both interior and exterior lighting).
- I) The University's Energy Policy will be managed by a University Energy Manager who will identify and manage compliance issues with University departments.
- J) The University's Environmental Advisory Committee will be requested to adopt this energy policy and play an active role educating the University community about the need for energy conservation.

Campus Wide Energy Guidelines:

- A) Lighting Levels - Unless special needs are required, lighting levels shall be maintained at the following average level of foot candles:

- Classrooms - 40 foot candles
- Offices & Conference rooms - 30 foot candles
- Reception Areas & Lounges - 20 foot candles
- Corridors - 10 foot candles
- Kitchens - 50 foot candles
- Cafeterias - 20 foot candles
- General & Other - 20 foot candles

- B) Space Temperatures - Unless special needs are required, the following minimum and maximum room temperatures shall be maintained, in as far as reasonably possible, in all university department areas:

- During "Occupied" Hours: Heating - 72 Deg. F and Cooling - 75 Deg. F
- During "Unoccupied" Hours: Heating - 60 Deg. F and Cooling - 85 Deg. F

- C) Operation of Academic and Administrative Facilities - The following equipment and components will be switched off at the end of each work day when feasible:

- * Office Lights
- * Office Computers, Printers and Monitors
- * Office Copy Machines
- * All Other Electronically Operated Equipment

- D) New Construction and Renovations

New building construction and renovations shall comply fully with the latest "American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and the "Illuminating Engineering Society" (IES) Standard 90.1. This standard identifies the basic energy efficiency requirements that must be met for the building envelope, HVAC (heating,

ventilation and air conditioning) system and Hot Water system. Adherence to this standard will ensure that energy efficient building systems are installed at the university.

- E) Purchasing - Energy efficient equipment, systems and appliances meeting “EPA Energy Star” designation should be purchased whenever possible.

Note: Residence halls and student apartments are excepted from the lighting and temperature guidelines due to the nature of their use; however, students will be educated on the University energy goals and general conservation principles.