

## DRAFT

# Keene State College

## Campus Conservation Policies

### Policy 1: Campus Temperature Controls

**Goal:** This policy positions the campus to better manage its energy consumption; control its energy costs; and be a more responsible environmental steward.

#### **Introduction:**

This policy is intended for balancing environmental comfort and occupant productivity with the need to manage energy consumption. Varying degrees of precision and sophistication of the controls result in differing strategies and effectiveness in both energy savings and comfort. Due to differing conditions, occupancies, and controls, there will be both intended and unintended exceptions.

Intended exceptions include, among others:

- some labs in the Science Center, especially those with living material
- the Thorne-Sagendorph Art Gallery

Unintended exceptions will probably include:

- parts of some of the older, steam heated residence halls
- some spaces in the electrically heated residence halls
- traditional "problem" areas, especially in the Spring and Fall.

It is the intent of the Physical Plant Department to maintain all areas within the guidelines of these policies and to respond as well as possible to unintended exceptions when they are reported.

The Department of Energy has estimated energy savings of approximately 1.5% per degree of adjustment during occupied times. 1% savings per degree per eight hour period is sometimes given for night setback savings.

<p><i>1% savings on energy costs for the entire campus would be <b>\$28,800</b> based on last year's energy costs; 5% would be <b>\$144,000.</b></i></p>
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#### **Operation of Heating, Ventilation, and Air Conditioning (HVAC) Equipment**

- The target temperature range for occupied spaces during daytime will be 67 to 69° F for heating, and 73 to 75° F for cooling.
- For spaces with night setback control, the night setback temperatures will be 60° F (heating) and 81° F (cooling).
- For spaces with occupancy sensors (e.g., the Science Center), the unoccupied daytime set points will be 65° F (heating) and 77° F (cooling).
- For those spaces without occupancy sensors, "occupied" will mean 8:00 a.m. – 5:00 p.m. Monday through Friday for office areas, and scheduled class times (through the Registrar, Continuing Education, or Scheduling Office) for classrooms.
- Exceptions to this policy will be dealt with on a case by case basis.

**The College prohibits the use of electric space heaters.** They are high-energy consumers and a fire safety concern. Electric space heaters also can interfere with the efficiency and effectiveness of Building Automation System automatic temperature controls. Electric heaters in College buildings will not be allowed except by special permission from the Energy Coordinator's office and the respective VP's or Provost's office. In this case, the College would supply supplemental space heaters: properly sized, UL rated, equipped with safety shut off, and not to exceed 1500 watts for electrical protection.

Are drafts, leaky windows or other building problems making your space uncomfortable? Please submit a work order to the Physical Plant through your usual work order process.

**Requests for exceptions to the policy, or heating and/or cooling problems, may be reported to:**

<p>The "heat" phone 8-4328 (8-HEAT) Physical Plant dispatcher: 8-2202</p>	<p>For exceptions/ technical questions please contact Ralph Belmer, Energy Coordinator at <a href="mailto:rablmer@keene.edu">rablmer@keene.edu</a></p>
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