

# Test your knowledge of energy conservation

*Gary Sweppenhiser, General Engineer, DPW*

## Test your knowledge of energy conservation

Question: What is the Army's established inside temperatures for heating and cooling?

- a. 64 heating and 80 cooling
- b. 70-74 heating and 72-76 cooling
- c. 78 heating and 68 cooling
- d. set at any temperature you like

Answer: B is correct. See excerpt from Army Regulation AR 420-1 below.

Heating- During the heating season, temperatures in occupied facilities will be maintained in the range of 72 degrees Fahrenheit plus or minus 2 degrees Fahrenheit during working hours and heating setback temperatures during unoccupied times shall be set at 55 degrees Fahrenheit plus or minus 5 degrees Fahrenheit. Temperatures in warehouses and similar active working spaces, like maintenance bays, will be at 60 degrees Fahrenheit plus or minus 5 degrees Fahrenheit during occupancy and 45 degrees Fahrenheit plus or minus 5 degrees Fahrenheit during unoccupied periods.

Warehouses will not be heated if they are usually devoid of human activity and if freezing and condensation are not issues.

Cooling- Wherever mechanical cooling is authorized, cooling season temperatures for occupied working and living spaces shall be maintained in the range 74 degrees Fahrenheit plus or minus 2 degrees Fahrenheit. Cooling set-up temperatures during unoccupied times shall be set at 85 degrees Fahrenheit plus or minus 5 degrees Fahrenheit.

The operation of portable heating and cooling devices is prohibited where the intent is to circumvent the heating and cooling standards outlined above. Supplemental heating and cooling may be used when cost effective energy reductions can be achieved by reducing usage of primary heating and cooling

systems or personal comfort levels can not be achieved by reasonable adjustments of the primary system. Such devices are particularly effective where only a few people occupy a portion of a large building, and conditioning is only required in a small section of the facility. Use of personal supplemental heating or mechanical cooling devices must have supervisor written approval and must only be used when the area is occupied.

U.S. Army War College Archives - News Article - 10 June 2009