

Effective January, 2007



## **Energy Efficient Purchasing Policy at UNC Chapel Hill**

### **Background**

In December 2005, The University of North Carolina at Chapel Hill adopted a Sustainability Policy. In this guide to fostering and demonstrating sustainability, Carolina committed to developing "*policies, practices, and curricula (which) should, when possible, embody approaches that reduce life cycle costs, restore or maintain the functioning of natural systems, and enhance human well-being.*" Continuous improvement in procuring and managing energy – and energy consuming equipment -- while fully supporting UNC's mission of teaching, research and public service is part of this commitment.

Reducing unnecessary energy use saves money, curtails air and water emissions, improves overall environmental quality, and promotes human health and well-being.

Aside from the energy consumed to power building systems such as heating, air conditioning, and lighting, energy is also consumed by equipment plugged into electrical sockets. These "plug loads" vary widely but on average consume 30% of the electricity used in laboratory buildings and 20-25% of the electricity used in administrative buildings.

Evaluating equipment purchases in terms of maximizing efficiency can save energy, reduce heat buildup, and demonstrate wise resource stewardship. "Life cycle costs" of using the equipment are reduced, often with no increase in the "first cost" price.

### **Proposal**

To take advantage of these benefits, purchasers of electricity-consuming equipment at UNC Chapel Hill will henceforth consider energy efficiency as criteria in selecting equipment to be purchased. The purchaser should whenever feasible purchase an item certified under the EPA Energy Star program (see <http://www.energystar.gov>).

*For Energy Star Rated Equipment:*

- When competitively bidding a piece of equipment, purchasers will insert the following statement in the bid document.

"ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency."  
<http://www.energystar.gov/>

Do the products that will be purchased meet the Energy Star specifications for energy efficiency?

Yes\_\_\_\_\_

Effective January, 2007

No \_\_\_\_ If NO, provide a justification statement as to why the Energy Star equipment cannot meet the intended function.

*For categories of equipment for which there are no Energy Star ratings:*

- Purchasers will insert the following statement in the bid document.

Are the products being purchased among the most energy efficient in their product category?

Yes \_\_\_\_ (Explain how you know.)

No \_\_\_\_ (Explain why you selected this equipment.)

Don't know \_\_\_\_ (No energy efficiency ratings are available for the equipment being purchased.)

Such equipment will include, but is not limited to, computers, appliances, research equipment, motors, pumps, food service equipment, and electronic equipment.

State Contracts:

It is recognized that the State Purchasing Office does not always consider energy efficiency ratings, such as EPA Energy Star certification, in selecting equipment to be included in state term contracts. For purchases of equipment that are covered under state term contracts in which there is no Energy Star certified equipment, purchasers will determine if Energy Star equipment is available in the marketplace, and if it is, will competitively bid those items considering Energy Star certification as necessary criteria to meet the campus sustainability commitment.

Audits:

For purchases valued at \$5,000 or greater, Purchasing Services will review purchase orders to ensure compliance with this policy. For purchases valued at less than \$5,000, departments are encouraged to establish their own internal processes to ensure this policy is followed.

The UNC Energy Conservation Manager is available to assist purchasers in evaluating equipment purchase options. The Energy Conservation Manager can be contacted at 962-7283 or at [save-energy@unc.edu](mailto:save-energy@unc.edu).