

Campus: NCA&T State University
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Initiative No: One
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Campus Pace Initiatives

Initiative Title
 Strategic Energy Plan

Initiative Description
 The strategic energy plan allows the campus to continue implement efficiency improvements related to energy usage and consumption. Utility costs were becoming a burgeoning cost to the campus. The application of technological advancements and enhancements can reduce the rate of increases in utility costs.

Timeline to Implementation
 The strategic energy plan was signed and adopted in October 2004. It is an ongoing project of Facilities Management and the entire campus.

Projected Cost Savings	<u>2006-07</u>	<u>2007-08</u>	<u>2008-09</u>	<u>2009-10</u>	<u>2010-11</u>	<u>2011-12</u>
Gross Savings						
Investment						
Other Costs						
Net Savings	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Projected Cost Avoidance (in addition to or in lieu of Savings)	<u>2006-07</u>	<u>2007-08</u>	<u>2008-09</u>	<u>2009-10</u>	<u>2010-11</u>	<u>2011-12</u>
Gross Cost Avoidance	\$826,421	\$826,421	\$826,421	\$826,421	\$826,421	\$826,421
Investment						
Other Costs						
Net Cost Avoidance	\$ 826,421	\$ 826,421	\$ 826,421	\$ 826,421	\$ 826,421	\$ 826,421

What are the expected results and improvements?
 Specific improvements include include installation of occupancy sensors campuswide (still in progress), replacement of sectionalizers, installation of unitary controllers and setback timers; installation of thermostatic radiocontrols campuswide and systematic campus wide mechanical room upgrades (still in progress).

What metrics are you using to measure the expected results and improvements?
 The metrics used to gauge the success of the SEP include diminishing utility consumption per square foot recognized through meter readings from buildings that have already been retrofitted with upgradedequipment and/or some type of sensor technology.

What is the current status of the initiative?
 The current status of the project is that Facilities has identified a target list of priority buildings and is currently working the list to complete improvements necessary for SEP implementation. Most academic buildings have been completed or are in status. All new construction is being designed with the SEP in mind. The administrative buildings as well as the residence halls are currently being scheduled.

Who will be held accountable for implementation?
 Facilities Management and University Engineering