

**State Agency Energy Savings Program
Sam Houston State University
Energy Conservation Plan January 2007 Update**

The State Agency Energy Savings Program provision in RP 49, relating to an electric customer education choice campaign, electric conservation by state agencies, and diversity of energy supply, requires agencies to submit an update of their State Agency Energy Savings Program quarterly beginning on April 1, 2006.

I. Update to State Agency Energy Savings Program

- A. The extent to which the agency has met the percentage goal it established for reducing its usage of electricity, gasoline, and natural gas;

For the 12 month period ending and including Aug 2006

Goal: To reduce FY 2006 unit consumption per gross square foot by 1% **below** that of FY 2005

Progress: Unit consumption is **5.0%** above FY 2005. (84.68 kbtu/sf in 2006 vs 80.69 kbtu/sf in 2005)

Goal: To increase vehicle fuel efficiency (MPG rating) by 1% in FY 2006 **above** FY2005.

Progress: Vehicle fuel efficiency or MPG rating for FY 2006 is **6.0%** lower than FY 2005. (13 mpg in 2006 vs 14.9 mpg in 2005)

Comments:

Annual electrical consumption rose 11.3% and natural gas rose 25.4% while square feet of building space rose only 9.2%. Energy consumption per square foot declined in only 6 of 12 months during FY 2006. Three months were marked by significant increases in consumption carrying the annual usage to 5.0% above that of FY 2005.

Vehicle MPG ratings were lower in 2006. We speculate that this may be due to purchases of low mileage multi passenger vehicles and lower mileage attributed to aging vehicles. More effort will be placed on right-sizing vehicles for the tasks required.

We continue to work on program strategies including the hiring of a campus energy manager, development of our energy awareness program, and energy performance contracting.

- B. The steps the agency may take to increase the percentage goal for reducing its usage of electricity, gasoline, and natural gas;

Administration has approved Energy Conservation Initiatives including: Adoption of Campus Energy Policy; hiring of Campus Energy Manager; Initiation of Energy Performance Contract; Establishment of Energy Awareness Initiatives; and Plans to Perform Retro-Commissioning of Buildings.

- C. Any additional ideas the agency has for reducing energy expenditures relating to facilities;

The University has been approached by an outside entity which performs Behavior Based Conservation Programs. Claims of 20%-30% reduction in energy usage are possible just by changing usage habits of building occupants. The program has been conducted at Universities in Colorado and looks intriguing.

- D. Any additional ideas the agency has to minimize fuel usage in all vehicles and equipment used by the agency.

Continue to update fleet and right-size for the mission.

II. Posting of Update to State Agency Energy Savings Program

The campus Resource Efficiency Program and Quarterly Agency Energy Updates are located at http://www.shsu.edu/~ppl_www

Copies of this report have also been forwarded to the offices below:

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