

Lamar State College - Port Arthur

State Agency Energy Savings Program Quarterly Report January 2006 - March 2006

Lamar State College - Port Arthur is in the process of recovering from Hurricane Rita, which struck the campus on September 24, 2005. As a result of the damage from the hurricane, the implementation of our energy savings program has been partially delayed. The focus on storm related restoration has limited our ability to setup quantifiable measurements to determine how well we are doing toward meeting our established goal of a 1 to 3 percent reduction of energy consumption.

We have taken the opportunity afforded by the storm to incorporate energy efficient construction in the rebuilding that is taking place on our campus. Some of the projects are listed below:

- ! Gates Library - Receiving a roof replacement over 5,365 square feet consisting of two plies of modified bitumen roofing with a polyisocyanurate insulation board underlayment having an R value of 24. This project is nearing completion.
- ! Lecture Hall - The College has received bids on the replacement of the roof on the Lecture Hall. This project will consist of a new two ply modified bitumen roofing system with a polyisocyanurate insulation board underlayment having a minimum R value of 24. This roof covers an area of 7,500 square feet. This building currently has no insulation under the roofing system. We will compare the consumption per square foot after this project is complete with our previous records to gauge the efficiency of the new roof.
- ! Replacement of 22 aged and yellowing polycarbonate globes, on the exterior area light fixtures, with new clear globes that transmit greater lumens per fixture. We are also replacing 150 watt HID lamps and ballast in 19 pole lights with 100 watt HPS lamps and ballast. We estimate this will reduce energy consumption by 3,468 KW and save the college \$277 per year.

The Lamar State College - Port Arthur Energy Management Team is currently meeting weekly reviewing the Hurricane related reconstruction projects with a view toward taking advantage of any opportunity to make our facilities and processes more energy efficient.

It is our goal to have the College's Energy Conservation Plan and this quarterly report posted on the Lamar - Port Arthur website by the deadline of April 14, 2006.