

## **University of West Florida Energy Efficiency Measures**

Campus users are encouraged to turn off electrical items not being used. The Facilities Services organization is continually identifying, planning for, and implementing energy conservation projects, limited only by the availability of funds.

**Previous Energy Projects** - Typically energy projects having a 3-5 year period payback on project costs are the institution's highest priority. Projects aligned with this goal and completed in recent years include:

- Fifty two (52) percent of space or twenty (25) buildings have the new Building Automation.
- Replace inefficient fluorescent lighting in ninety six (96) percent of Education and General State supported buildings.
- Replaced traffic signals with energy efficient Light Emitting Diode (LED) technology.
- Retrofitted exit lights with LED technology in selected buildings.
- Installed new hot water boilers and eliminated the steam system in the Central Plant which improves efficiency and lowers maintenance costs.
- Installed new "summer boiler" to carry hot water load during summer reducing natural gas consumption.
- Replaced underground hot and chilled water distribution piping improving efficiency.
- Modified operation of cooling towers to increase fan efficiency.\
- Installed window film to reduce radiant heat gain.
- Eliminated the decentralized boiler and chiller in Buildings 77 and 78.
- Eliminated the decentralized boiler in the Aquatic Center (Natatorium).
- Elimination decentralized steam boiler in Building 58.
- Improved operational controls of irrigation system for water conservation.
- Installed solar crosswalk lights.
- Replaced HVAC and lighting in Building 36 and 37.
- Increased roof insulation (R-Value) on nine (9) buildings.
- Phase street lights turning on during evening hours to reduce electrical peak demand charges.
- Real time monitoring of electrical consumption to help control peak demand.
- Installed over 200 room occupancy sensors for lighting and HVAC control

### **Energy Conservation Projects Planned in Current and Future Fiscal Year**

- Continuance of Building Automation System implementation in six (6) buildings.

- System (BAS) installation planned completion FY2011-12.
- Rehabilitation and upgrade HVAC system in Building 74.
- Replace windows and doors on Building 40.
- Planning the rehabilitation and upgrade HVAC system in Building 58.
- Replace windows and doors on 16 buildings.