

Florida State University Energy Efficiency Measures

- FSU has successfully used Energy Performance Contracting to accomplish a myriad number of energy saving projects.
- Under a multi-year contract with Johnson Controls projects have included installation of energy saving lighting systems, occupancy sensors to turn off lighting in empty classrooms and offices, installation of water saving plumbing fixtures, replacement of old inefficient air conditioning equipment, reflective roof coatings and various other items.
- In 2006, it was decided to enter into a second phase. The implementation of this phase has been completed and it is expected that this phase will result in annual savings (in excess of payments) of \$1,200,000.
- The performance contracting project has proven to be very successful. The total savings in excess of the implementation costs is over \$17,000,000
- In addition to E&G buildings, in 2006 University Housing entered into a performance contracting agreement which is saving \$150,000 annually.
- Another energy performance project is underway at the Ringling Campus in Sarasota. This project will be complete by the end of 2008 and the expected annual savings is \$590,000.
- Performance Contracting is not the only avenue pursued by the University to reduce utility consumption and costs. The University has been very active in numerous energy saving projects. These projects included the installation of new air conditioning chillers that consume only half of the electricity of the equipment they replaced, remote programming of computers so that they shut down when not in active use, extensive electronic control systems and diligent monitoring and inspection to find areas of waste. In addition there is a continuing effort to make the campus community aware of the need for energy conservation.
- The University has also established construction standards for all new construction and all major renovations. These standards are specifically targeted at reducing electricity, gas and water consumption.
- In September 2007, a Utility Cost Saving Committee was created to implement energy savings across the campus. This group includes the Senior Vice President for Finance and Administration, the Vice President for Research and representatives from Facilities, Academic Affairs, University Relations and Student Affairs. This group is implementing new policies that will cutback the operating hours of campus air conditioning, reduce lighting in many areas and will prohibit the use of electric space heaters. The new policies also include a requirement to turn of lights and machines, such as copiers and computers at the close of business or at any time they are not needed. Work is also underway, to consolidate computer server rooms to avoid the need to run general building air conditioning. The energy cost savings for FY 2007-08 were \$2,000,000.
- The activities of the Utility Cost Saving Committee are continuing into 2008-09 to continue to implement policies to reduce energy consumption and to deal with utility rate cost increases that are expected to exceed \$2,000,000 in 2008-09.
- Projects are currently underway to ensure that new and existing energy intensive laboratory buildings are operated in the most energy efficient manner possible.
- Increased emphasis is being given to campus energy awareness and education.
- FSU has recently completed two LEED certified buildings and is constructing two more.
- FSU has joined forces with four other universities in the new Florida Energy Systems Consortium to work on new biomass, solar and other renewable energy technologies.