

**University of Miami**

**Miami, FL**

**(FPL Case Study)**

## **SUCCESS STORY**

**BUSINESS  
ENERGY**



### **UNIVERSITY OF MIAMI SCORES HIGH WITH FPL'S BUILDING ENVELOPE PROGRAM**



The University of Miami is an institution of higher learning and now of higher energy savings after installing window film in twin, seven-story dormitory buildings with the help of Florida Power & Light Company.

The University earned an FPL incentive of \$15,400 toward installation costs and will enjoy an estimated \$6,500 in savings annually because of increased energy efficiency of the Pearson and Mahoney residential college buildings. Approximately 31,000 square feet of glass qualified for the incentive.

"Universities, businesses and other institutions today face tight operating budgets. FPL's cash incentive allowed us to make the investment and capital improvement, which will pay for itself many times over the long term through lower energy bills," said James Durante, University of Miami physical plant project manager.

The window treatment, installed by Conflanza Window Tinting Inc. of Miami, reduces solar-generated heat gain inside the buildings by 52 percent. Consequently, the physical plant's air conditioners don't have to work so hard to keep the dorms cool.

Students living in the buildings will enjoy other benefits from the new window film.

The film will improve safety by reducing shattering in case a window breaks, and will enhance comfort by reducing heat and glare. Plus, students' furniture, carpets, electronics and other

items will be spared from damaging ultra-violet (UV) rays. The particular product used in this project -- SUNGARD high-performance film -- eliminates 98 percent of the UV rays entering through windows, according to Rafael Fernandez, president of Conflanza Window Tinting.

The special low-reflective green film has been an aesthetic hit on the university's lush, subtropical campus.

"The film gives the dorms a brand new look that really complements the rest of the campus buildings," Durante said. "It's much nicer than the shiny film that we installed several years ago, because, back then, that was the only kind available to us."

In addition to window film, FPL's Building Envelope program offers incentives for solar screens, awnings, shutters, high-efficiency glass and coiling and roof insulation. The program gets its name because window treatments and insulation form an envelope around a building to keep conditioned air in while keeping heat out, said FPL program manager Al Roque. Depending on efficiency levels achieved, FPL's cash incentive pays up to 75 cents per square foot of qualifying glass area for window treatments (westerly exposures only).

Window treatments and insulation must be approved in advance by FPL, and, in most cases, installed by FPL participating independent contractors.

For more information call 1-800-FPL-5566.