



Building Community



Florida State College at Jacksonville

Improves Energy Efficiency Through JEA's Business Rebates Program

Florida State College at Jacksonville (FSCJ) is a community college offering a wide range of degree programs. With a focus on accessibility and affordability, FSCJ helps its student population by providing support services to help them succeed. The college also prioritizes workforce development by partnering with local businesses to assist its programs with industry needs.

FSCJ has made significant progress in energy efficiency by participating in JEA's Business Rebates Program. Under the direction of Key Account Executive Jonathan Micke, FSCJ completed a series of projects aimed at reducing utility expenses and increasing the sustainability of its operations.

JEA's Business Rebates Program helped reduce utility costs and improve energy efficiency, which is closely aligned with FSCJ's main goals. Securing funding for energy-efficient projects can be a challenge; however, the availability of rebates allowed for a more compelling case by improving benefits. This not only enhanced the college's energy budget but also helped the development of further energy-saving initiatives.

"Identifying suitable HVAC and lighting vendors familiar with the rebate program proved beneficial," FSCJ Building Energy and HVAC Controls Manager John Foyt said. "The process from inception to completion, including receiving the rebate checks, was straightforward and efficient."

Results

The updated parking lot lights at FSCJ require less maintenance and improve safety. The new chiller operates efficiently with minimal oversight, compared to its previous equipment.

“We are saving money and reducing our electrical consumption. Having electrical sub meters in all our buildings provides real-time data showing the results of each of our energy initiatives including projects associated with rebates,” John said. “As the Building Energy and HVAC Controls Manager for the Florida State College at Jacksonville, my primary responsibility is to identify and implement initiatives that reduce the college’s utility expenses. Securing funding for projects can be a challenge for any organization. Therefore, it is essential to develop a comprehensive business case that demonstrates the potential return on investment. Enhancing the payback period through available rebates significantly strengthens my argument.”

FSCJ has taken on four significant energy efficiency projects since summer 2023, resulting in a total savings of 697,678 kWh annually and rebates totaling \$27,999. FSCJ has made energy improvements at its Kent Campus, North Campus, and Downtown Campus.

“The college will always actively pursue projects that aim to improve the efficiency of our electrical and HVAC systems. The JEA Business Rebate program makes this pursuit easy to accomplish,” John said.

Making a Big Impact: Environmental Impact of FSCJ's Energy Efficiency Improvements



116 gas-powered cars driven



54,843 gallons of gasoline consumed



96 homes' electricity for one year



169 Tons of waste recycled instead of landfilled



8059 tree seedlings grown for 10 years

Equipment Upgrades & Savings

Equipment Installed: Lighting, Sensors, Water-cooled chiller installation, Air-cooled chiller replacement

Total Rebate Amount: **\$27,999**

Annual Energy Savings: **697,678 kWh**

Lifetime Energy Savings

