RWE

Florida State College at Jacksonville

Energy Savings Performance Contract (ESPC)

In 2015, the Florida State College at Jacksonville (FSCJ) initiated the process to select a partner for implementing an Energy Savings Performance Contract (ESPC) meeting the requirements of Florida Statutes, Sections 1013.23 and 489.145. Selecting RWE Clean Energy as it's partner for the ESPC process, FSCJ assigned RWE Clean Energy to conduct an Investment Grade Audit for all FSCJ facilities, including Downtown Campus (DT), which includes academic buildings, the administrative building, the Urban Resource Center, and the Advanced Technology Center, along with South Campus, Deerwood Center, Kent Campus, Cecil Center, North Campus, and Nassau Center.

Utilizing the breadth of expertise in energy, construction management, and project management that RWE Clean Energy brings to all of its clients, our consultations with FSCJ revealed the following objectives:

- Develop a budget neutral solution to existing needs
- Utilize guaranteed savings to fund needed infrastructure improvements
- Reduce FSCJ's energy costs
- Identify reasonable low cost financing options
- Upgrade the lighting systems at each campus
- Upgrade the Building Automation System (BAS) at each campus and center location
- Replace existing mechanical infrastructure which is at the end of useful life to the greatest extent possible
- Resolve system performance issues for chilled water and air systems
- Improve staff efficiency and maintenance processes

PROJECT DATA

LOCATION

Seven campuses in Jacksonville, FL

CONSTRUCTION DATES

May 2017 to July 2019

CAPITAL COSTS

$20.8 Million

ANNUAL SAVINGS

Energy Savings: $1.4 Million

FLORIDA STATE COLLEGE AT JACKSONVILLE

RWE Clean Energy, LLC 844.896.2614

*Please note that this project was completed under the name "Consolidated Edison Solutions, Inc." which was aquired in a stock sale by RWE AG on March 1, 2023, and is now part of RWE Clean Energy.

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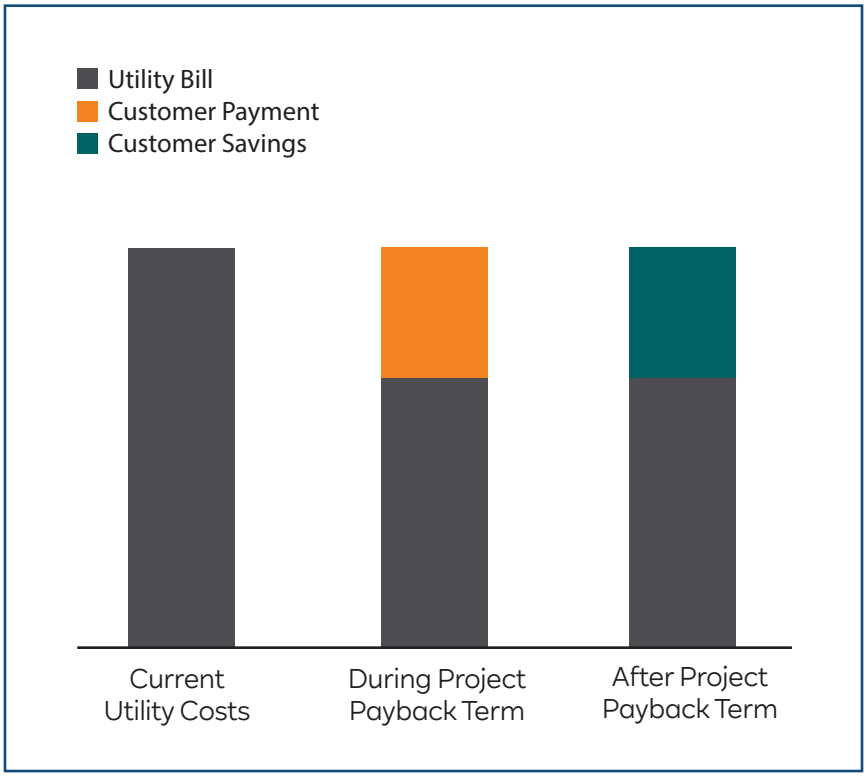
Project Development Process

In 2016, the RWE Clean Energy team successfully worked with the staff of FSCJ to develop a budget neutral project that met FSCJ's goals. The team invested more than 2,500 hours to audit the FSCJ facilities, design the planned improvements, calculate the savings, and finalize budgets for the improvements. Throughout the process, RWE Clean Energy met frequently with key FSCJ staff to ensure the recommendations were consistent with the desired outcomes for the project.



PROJECT DATA

ENERGY CONSERVATION MEASURES/IMPROVEMENTS (ECMs)

- Lighting retrofit
- Parking lot lighting
- Chiller replacements
- Chiller plant renovations
- Full retro-commissioning and repair
- Airside system modifications
- Demand control ventilation
- Direct expansion/chilled water (DX CHW) conversions
- Building automation system replacement
- Low-flow water conservation
- Energy management and use tracking software
- Class schedule integration
- Maintenance management software (CMMS)

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