



Facilities & Services

Retro-Commissioning (RCx)

State Farm Center

Project #1 Retro-Commissioning

Project Type: RCx

Buildings: State Farm Center

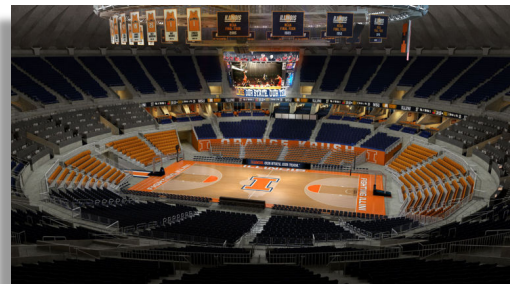
Energy Cost Savings: \$180,000 annually

Funding Request: \$250,000

Project Cost: \$250,000

Payback Period: 2 yrs

General Description of Work: *Optimization of building HVAC and DDC systems and scheduling is the focus of this RCx effort. The Siemens temperature control programming should be reviewed and changes in operation made ASAP due to the present virus condition resulting in a largely underutilized building. Data indicates steam heating costs alone are over \$400K per year, with the total utilities costing over \$900k annually for the past two years. Due to seriously reduced activity, costs are currently trending toward \$720k annually. The RCx staff will implement the beneficial changes and improvements, then the team will do a more thorough review of the building systems, develop a list of potential issues, and review with the user.*



Project Owners / Execution Contact:

Brett Stillwell / Karl Helmink



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CRITERIA:

01. PAYBACK PERIOD – The payback period for this project is approximately 2 years.

02. REDUCTION OF GREEN HOUSE GAS – Greenhouse gases will be reduced by approximately 5,783,000 lbs of CO₂ due to conservation of electricity, steam, and chilled water.

03. FUND SIZE IMPACT – This project does not have any grants associated with it to increase the fund size.

04. VISIBILITY - The State Farm Center is a large highly public structure with lots of campus visibility with student fees used to pay for utilities.

05. PROJECT COORDINATION – This project is not planned to be executed with any ongoing or planned project.

Additional Information – It would be important to get this project underway quickly as this building is likely to be spending excessive utility dollars presently in a largely underutilized building for the foreseeable future (next year). The RCx team is planning to work with Athletics shortly on the Bielfeldt project. Therefore RCx team will be right across the street and this economy of scale should work well.

