



STUDENT SUSTAINABILITY COMMITTEE

Scope Change

From time to time unforeseen challenges or opportunities can affect the planned budget, timeline, or overall goals of a project funded by the Student Sustainability Committee. Past examples of these situations include projects coming in under budget but having additional opportunities available, or inclement weather delaying the planting of agriculture projects.

Below please include a brief project summary and your requested changes. Attach additional documents as needed. If you have any questions, please contact the Student Sustainability Committee at sustainability-committee@illinois.edu.

General Information

Project Name: Temple Buell Hall

Total Amount Requested from SSC: \$38,000

Contact Information

Applicant Name: SEDAC
Unit/Department: Landscape Architecture
Email Address: trusk@illinois.edu

Project Information

Please provide a brief background of the project, the goals, and the desired outcomes:

TBH has an old pneumatic HVAC system which does not provide consistent performance and the building performance is poor. The goal is to determine the savings and benefits of upgrading the controls to modern direct digital controls (DDC), through a limited pilot project with cost share funding from F&S. These provide accurate performance which should improve comfort in the spaces as well as reduce energy consumption through features such as unoccupied setback and improved scheduling.

Please provide a brief summary of how students will be involved in the project's changes:

Students will evaluate the target rooms and identify the data required and the sensors required. They will aid in the installation of the sensors and the data collection cables. They will also collect the data and evaluate it to determine present building operation. Following implementation of DDC pilot project by F&S, data gathering and analysis of the operation of the building following DDC and determine the energy reduction and comfort improvement by implementing DDC. Comfort will be evaluated using temperature consistency and relative humidity while the spaces are occupied.

Please provide a brief summary of your requested scope change. How is your request different from your original plan?

The original proposal was for 5 projects. One of which was the DDC upgrade. The SSC had allocated a quantity of funding which would have been adequate for new window hardware, but upon further consultation with SSC as well as F&S including their ability to provide some matching funds, this made the DDC pilot project possible to consider and a higher priority in terms of energy savings potential.

Additional comments (Optional)

F&S agreed to provide additional matching funding to stretch the SSC funding beyond what would have been feasible otherwise for the pilot project.