



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: ADAPTHAUS

Total Amount Requested from SSC: \$700

Contact Information

Applicant Name: Halie Collins
Unit/Department: Agricultural and Biological Engineering
Email Address: haliejc2@illinois.edu

Project Information

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

Illinois Solar Decathlon is competing in the U.S. Department of Energy Solar Decathlon Build Challenge 2021 to design and build a net-zero energy house in Champaign. ADAPTHAUS is a two-module house that is solar-powered and maintains a high sustainability quotient through efficient systems integration, local material procurement and manufacture, recyclability, reusability, and energy efficiency. The project includes a robust University-affiliated website displaying sponsors, and scheduling systems for the organization's social media and communication platforms. This has been a costly 3-year project with very high community involvement, University Department Sponsorship (including SSC and ISEE), corporate sponsorship, and government funding. In exchange for support, we have promised exposure to their products used in the ADAPTHAUS. Our main goal is marketing and making sure we strengthen ties with companies, the University, and the Department of Energy. We aim to educate as many Champaign and Illinois residents (as well as University of Illinois Students) about onsite energy production, energy efficiency and sustainability through case studies and guided/virtual tours.

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

The student involvement has not changed much because of the scope change, but one difference is that the subteams will be focusing on creating videos for their work and sponsors. They will also come up with creative solutions to publicize our project and donated materials with the competition now moved online. How previous application had details about a physical sponsorship booklet.

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

Originally, the Illinois Solar Decathlon Build team was supposed to attend the Smithsonian Folklife festival (Washington, D. C.) as well as present at the National Renewable Energy Laboratory, Colorado. However, because of COVID 19, the Department of Energy has recently called off all the in-person events. Our original marketing plan was to have a physical sponsorship booklet that visitors could take with them during the competition so that our sponsors could get professional exposure. Now that everything's online, we had to rethink our marketing strategy, sponsorship fulfillment, and community outreach to maximize the impact of the project. To get exposure for our team and sponsors, we are now creating videos for each subteam on the Build team, which includes Architecture, Building Integration and Envelope, HVAC, Lighting, Appliances, and Home Automation, Construction Management, Photovoltaics, and Electrical, Life Cycle Assessment, Application Development, Landscape, Structural Engineering, and Water. We will then send these videos to sponsors for them to share, as well as publicize them on our social media accounts which will maximize the outreach. This way, sponsors can get the recognition they deserve regardless of a virtual event while reaching as

many people across the globe as possible. We are still creating a sponsorship booklet, but an online version so there would be no cost associated with the booklet as we had originally planned. Instead, we plan to use the money to hire a student videographer to create subteam videos as well as an ADAPTHAUS marketing video. We will use \$460.00 for the video and use \$240 to fund MailChimp and the scheduled social media posting app.

Additional comments (Optional)

We are also planning to publish our entire design online and making it open to public. This way, anyone across the world can access the design for education purposes and modify the design as required. This is in the planning stages.