# *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:** Filify 3D

**Total Amount Requested from SSC:** Total Project Cost

$2,000

# Contact Information

Applicant Name: Wes Kramer

Unit/Department: Illinois Enactus

Email Address: wkramer2@illinois.edu

Phone Number: 217-621-7100

# Project Information

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

The project aims to recycle used plastics into 3D printing filament which will subsequently be supplied to 3D printing facilities across campus and in the Champaign-Urbana community. The ultimate objective is twofold, inspire change across the community and provide employment opportunities for unemployed individuals.

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

Students are responsible for converting used plastic to 3D printer filament. The project will involve students receiving first-hand experience in all aspects of the plastic recycling process. Students are expected to find a source of plastic and subsequently process the plastic by shredding and extruding it into 3D printer filament. Students will be involved in testing the final product to verify that the filament meets standards required to make a quality build. Eventually, students may be hired on and receive compensation for converting plastic to filament.

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

There has been a change in the project’s financial need due to the re-scoping to purchase an industrial shredder. The project aims to utilize an industrial shredder in place of the machinery currently at its disposal as it is needed to guarantee the consistency of the shredded plastic granules as well as to solve scalability issues arising out of the creation of 3D printer filament. The end goal of the project remains the same and the timeline of the project has not changed significantly from the original plan. The project is in a testing and trial phase until May 2018 after which the project will begin scaling production starting August 2018.

Additional comments

The total cost of the industrial shredder is $6,199. This means that there will be an incremental cost of $2,000 above the remaining grant allocation.