STUDENT SUSTAINABILITY COMMITTEE

Funding Award and Acceptance Letter

October 24th, 2019

Project: Illinois Space Society Hybrid Rocket Engine

Dear Mx. Andrew Larkey:

On behalf of the University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC), I would like to thank you for considering the funds raised by the Sustainable Campus Environment Fee to implement a project that improves the sustainability of our campus. SSC is pleased to inform you that we are recommending to the Institute for Sustainability, Energy, and Environment (iSEE) that your project receives **$10,000** in grant funding.

In order to remain eligible for this award, you must agree to the following conditions:

1. A final report of all work completed should be provided to the SSC Program Coordinator by October 24th, 2021.
2. Project status updates and detailed account statements must be provided at the end of each semester, in the method requested, until the project is completed.
3. The Contact Person will be individually responsible for all official communication and the execution of this agreement.
4. The CFOP provided for this award shall strictly be used for the money awarded in this proposal.
5. Any substantial modifications to project scope, budget, or timeline must first be approved by SSC. These requests must be submitted in a formal letter to the Chair and Coordinator.
6. All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal laws.
7. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
8. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding.
9. Any signage involving the project or events surrounding this project should include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.

If you agree to the terms and conditions for the funding, please sign on the designated line at the bottom of this letter. If you have any questions regarding these requirements please contact the SSC, at sustainability-committee@illinois.edu. You will be notified when the Institute for Sustainability, Energy, and Environment and Vice Chancellor for Student Affairs officially approves this project. Again, thank you for your interest in improving the sustainability of the University of Illinois at Urbana-Champaign. We look forward to working with you in the future.

STUDENT SUSTAINABILITY COMMITTEE

SSC Signatories

Joe Edwards, Chair
Student Sustainability Committee

Jonah Messinger, Treasurer
Student Sustainability Committee

Awardee Signatory

Andrew Larkey
Applicant

Dr. Evan DeLucia, Director
Institute for Sustainability, Energy & Environment

Student Affairs Signatory

Dr. Danita Brown Young
Division of Student Affairs

STUDENT SUSTAINABILITY COMMITTEE

Project Information

Project: Illinois Space Society Hybrid Rocket Engine

Funding Source: Sustainable Campus Environment Fee

Funding Amount: $10,000

Receiving Campus Unit: Aerospace Engineering Department

Unit Financial Contact: Laura Gerhold

E-mail: gerhold@illinois.edu

Project Description:
This project focuses on designing, building, and testing an environmentally friendly, reusable rocket on a hybrid engine. Advancements in green technology are being made in the aerospace industry on a daily basis. New materials and different propulsion methods are critical to the growing rocket industry. Commercial companies have begun to develop greener processes by designing reusable vehicles as well as implementing environmentally friendly materials and fuels. New propulsion technologies have been introduced which lower the environmental impact while retaining the technology's key capabilities. Hybrid engines are one of these technologies that are starting to be utilized in the industry as a greater amount of research is being done on them. With the uptick in companies developing new rockets and new space exploration technologies, making these kinds of engines known can help ensure that rocket technology is cleaner and more sustainable in the future.

This proposal directly funds:
Hybrid Engine Fabrication $1,000
Test Stand Improvement $1,500
Hybrid Electronics & Sensors $1,500
Test Iteration Costs $2,000
Machining Costs $2,500
Ancillary Costs $1,500