



Student Sustainability Committee
Funding Award Letter



November 9th, 2023

Project: Power Station

Peter Giannetos,

The University of Illinois Urbana-Champaign Student Sustainability Committee (SSC) is pleased to inform you that your project has received approval from the Institute for Sustainability, Energy, and Environment (iSEE), and the Vice Chancellor for Student Affairs.

The Student Sustainability Committee is proud to award **\$3,950.00** in grant funding for the **Power Station** Project.

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

1. The project must be completed within two years of the funding awarded. A final report of all work completed, a full list of expenditures, and a detailed sustainability impact report must be provided to the SSC Advisor by **11/02/2025** or project completion.
2. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
3. The Primary Applicant will be the individual responsible for all official communication and the execution of this agreement.
4. The Project Unit Financial Contact must submit the prescribed FPI form for the assignment of a Chart, Fund, Organization, and Program code (CFOP) within four weeks of receipt of this letter. The CFOP established for this award shall strictly be used for the awarded funds of this proposal.
5. Any substantial modifications to the project must be submitted within a scope change form, including alterations to the budget, timeline, project lead, and project direction. A majority vote of the SSC must approve scope changes.
6. All projects are expected to follow university policies and procedures as well as any applicable local, 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 must acknowledge SSC funding.
9. Any marketing, including but not limited to advertising, signs, and digital ads, involving the project or events surrounding this project must 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.

Project: Power Station

Funding Source: SCEF (303692)

Funding Requested: \$3,950.00

Funding Allocated: \$3,950.00

Primary Unit of the Project: Peter Giannetos

Unit Financial Contact: Laura Gerhold

Project Description:

This project aims to research and demonstrate the feasibility of making an open source, right-to-repair friendly EcoFlow or Jackery style solar-powered battery station for a fraction of the price. Additionally, we plan to use this system in the field during rocketry launches to support our team of 50 students rather than use a combustion generator and to teach students about off-grid electrical systems. Furthermore, we plan to reuse reclaimed 18650 batteries for our avionics systems rather than buying new 18650's for a 1/3 of the cost, but they need to be slightly restored.

Project Category:

Energy

This proposal directly funds:

1. Solar Panels w/ Charge Controller, Pure Sinewave Inverter
2. 12V High Current Battery Charger, 12V LifePo4 Batteries
3. Battery Management System
4. Waterproof 100W USB-C Charging Panel, Waterproof Status Monitoring Panel, Waterproof Project Case
5. Recessed Waterproof 12V DC Panel Connectors & AC Panel Connectors, External Waterproof Cable Connectors, Internal Cable Connectors, Resettable Fuses
6. Wire Luges, Wire Lugs Crimping Tool, Extension Cord 50 ft
7. 2 Black, 2 Red AWG Wire 10ft, Power Brick
8. Heatshrink Kit, Split Sleeve Wire Loom Cable Harnessing
9. 16 AWG Wire Red & Black
10. 18650 Battery Nickel Strips, Heat Wrap, Wire Leads + Connectors, Protection Circuitry

Funding Approval

Student Sustainability Committee, Chairperson

<u>Claire Keating</u>	<u><i>Claire Keating</i></u>	<u>11/15/2023</u>
Name	Signature	Date

Institute for Sustainability, Energy and Environment, Director

<u>Jennifer Fraterrigo</u>	<u><i>Jennifer Fraterrigo</i></u>	<u>11/09/2023</u>
Name	Signature	Date

Vice Chancellor for Student Affairs

<u>Danita Brown Young</u>	<u><i>Danita Brown Young</i></u>	<u>11/10/2023</u>
Name	Signature	Date

Funding Acknowledgement

By signing below, I agree to the terms and conditions for this award. If you have any questions regarding these requirements, please contact the Student Sustainability Committee Advisor at ssc-advisor@illinois.edu.

Award Recipient

<u>Peter Giannetos</u>	<u><i>Peter Giannetos</i></u>	<u>12/06/2023</u>
Name	Signature	Date

Project Advisor Signature (Student-Led Projects Only)

<u>Robyn Woollands</u>	<u><i>Robyn Woollands</i></u>	<u>12/06/2023</u>
Name	Signature	Date

Fall 2023 SL Giannetos 2 Funding Award

Final Audit Report

2023-12-06

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