



Student Sustainability Committee Funding Award Letter



February 23rd, 2024

Project: Small-Scale Anaerobic Digester

Taly Escamilla,

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 **\$10,000.00** in grant funding for **Small-Scale Anaerobic Digester**.

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 02/14/2026 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 funds awarded to 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: Small-Scale Anaerobic Digester

Funding Source: SCEF (303692)

Funding Requested: \$10,000.00

Funding Allocated: \$10,000.00

Primary Unit of the Project: The Department of Mechanical Science and Engineering

Unit Financial Contact: Jiajun He

Project Description:

Developing a working small-scale anaerobic digester with a membrane separation technology to collect separated carbon dioxide and methane that is an economically viable system for small farms. This allows for the farms to lower their carbon emissions and decrease the need for natural gas extraction by utilizing natural sources of cattle manure. It can also be utilized on the UIUC research cattle farms.

Project Category:

Energy

This proposal directly funds:

1. CO₂/CH₄ Separation Membrane, Plastic Material for Digester, Bacteria & Manure, Centrifugal Pump
2. Canisters of Methane, Canisters of Carbon Dioxide, Metal Piping (Non-Corrosive), Metal Materials
3. N₂/CH₄ Separation membrane, Compressors, Canisters for Produced Biogas, Wiring
4. Other Laboratory Equipment (pH Meters, PPE, Soldering etc.)

Funding Approval

Student Sustainability Committee, Chairperson

Claire Keating

Name

Claire Keating

Signature

02/23/2024

Date

Institute for Sustainability, Energy and Environment, Director

Jennifer Fraterrigo

Name

Jennifer Fraterrigo

Signature

02/23/2024

Date

Vice Chancellor for Student Affairs

Danita Brown Young

Name

Danita Brown Young

Signature

02/23/2024

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

Taly Escamilla

Name

Taly Escamilla

Signature

02/26/2024

Date

Project Advisor Signature (Student-Led Projects Only)

Jiajun He

Name

Jiajun He

Signature

02/26/2024

Date

Spring 2024 SL Escamilla Funding Award

Final Audit Report

2024-02-26

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