



STUDENT SUSTAINABILITY COMMITTEE

**Funding Award and Acceptance Letter**

Project Leaders: Zachary Mazur

Project Team: Lance Schideman, Mike Stablien, Jae Hee Song, Shean Lin

Project: Abbot Powerplant CO2 Sequestration and Water Reuse Project

Re: Sustainable Campus Environment Fee – Award Recommendation

Dear Mr. Mazur:

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 the Abbot Powerplant CO2 Sequestration and Water Reuse Project **receives \$1,086.00 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 Advisor by January 31, 2017.
2. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
3. 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 Program Advisor.
4. All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal laws.
5. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
6. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding. Projects must communicate with the SSC's External Vice Chair to come up with appropriate marketing for the project.
7. Projects must participate in the Campus Sustainability Symposium at least once before June 30, 2018.

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 Chair, Amy Liu, at [amy.linqin.liu@gmail.com](mailto:amy.linqin.liu@gmail.com) or the SSC Program Advisor, Micah Kenfield, at [kenfield@illinois.edu](mailto:kenfield@illinois.edu). You will be notified when the Institute for Sustainability, Energy, and Environment 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**

Amy Liu, Chair  
Student Sustainability Committee

Serena Hon, Treasurer  
Student Sustainability Committee

**Awardee Signatory**

Zachary Mazur  
Agricultural and Biological Engineering

**iSEE Signatory**

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



STUDENT SUSTAINABILITY COMMITTEE

**Project Information**

**Project:** Abbot Powerplant CO2 Sequestration and Water Reuse Project

**Funding Source:** Sustainable Campus Environment Fee

**Funding Amount:** \$1,086

**Award Code:** 1-303692-XXXXXX-XXXXXX

**Receiving Campus Unit:** School of Agricultural and Biological Engineering

**Unit Financial Contact:** TBD

**E-mail:** TBD **Phone:** TBD

**Primary Contact:** Zachary Mazur, Agricultural and Biological Engineering

**E-mail:** [mazur9@illinois.edu](mailto:mazur9@illinois.edu) **Phone:** 847-702-2667

**Secondary Contact:** Lance Schideman, Agricultural and Biological Engineering

**E-mail:** [schidema@illinois.edu](mailto:schidema@illinois.edu)

**Project Description:**

The goal of this project is to further develop the relationship between the university, the Illini Algae Club and its students, the Agricultural and Biological Engineering Department as well as other departments, and the Abbott Power Plant. Using a pre-established waste to algae remediation system used in experimental design, we will apply this system to a real-world use. We will do this through the use of a semester project focused on remediation of university wastewater that can be scaled up into a larger scale project in the future that the club can build off of. Our goal is to provide the foundation of active student involvement for which our organization can grow.

We will do this by first analyzing how well our small scale systems can work with the local Abbot Power Plant waste. This further enhances our cooperative relationship with the Abbott Power Plant. Once we determine feasibility of the system, then the students can design and build a larger scale system at the local power plant that can reduce their waste as well as produce some renewable energy for the university. This will provide the ability of students to make their own choices with our small scale experiment as well as allow them to create a vision of their own for the club's future larger scale activities.