



STUDENT SUSTAINABILITY COMMITTEE

Funding Award and Acceptance Letter

February 20, 2017

Project: Illini EcoConcept

Dear Mx. Moestopo:

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 \$35,104 in grant funding**. This fully funds all items on your proposal **except** travel costs.

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 May 31, 2019.
2. **No funds from this award shall be spent on personal or team travel.**
3. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
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 Program Advisor.
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.
10. Projects must participate in the Campus Sustainability Symposium at least once before June 30, 2020.

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, Paul Couston, at pcousto2@illinois.edu or the SSC Coordinator, Micah Kenfield, at kenfield@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

Paul Couston

Paul Couston, Chair
Student Sustainability Committee

Ashley Yu

Ashley Yu, Treasurer
Student Sustainability Committee

Awardee Signatory

Widiyanto P. Moestopo

Widiyanto P. Moestopo
Applicant

iSEE Signatory

Evan DeLucia

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

Student Affairs Signatory

Dr. Renee Romano

Dr. Renee Romano
Division of Student Affairs



STUDENT SUSTAINABILITY COMMITTEE

Project Information

Project: Illini EcoConcept (*Student-Led Project*)

Funding Source: Sustainable Campus Environment Fee

Funding Amount: \$35,104

Receiving Campus Unit: Department of Mechanical Science and Engineering

Unit Financial Contact: John Wierschem

E-mail : mehse-business@illinois.edu

Primary Contact: Widiyanto P. Moestopo

E-mail: moestop2@illinois.edu

Project Description:

This project funds the Illini EcoConcept team for their efforts to design and manufacture a Hydrogen Fuel Cell Urban-Concept Vehicle to compete in the Shell EcoMarathon Competition in 2017. While the competition has always been centered on energy efficiency, it also promotes and rewards innovation that leads to a more sustainable energy system to support communities around the globe. Specifically, in the Urban-Concept Vehicle division, teams compete to have the most efficient vehicle that incorporates many features of real-world cars, such as wet-weather driving ability, headlights, turn indicators, and so on.

The Illini EcoConcept has chosen to power their vehicle using hydrogen fuel cell, which has been gaining popularity lately, and is seeking to break the competition efficiency record in the coming school year. The team would like to build on the 2nd place finish in the Americas region last year and be able to compete in the world championship. Specifically, the team strives to (i) promote the use of hydrogen fuel cell as a clean alternative to combustion engines, (ii) build a whole new drivetrain system that would eliminate the causes of inefficiencies found in the previous years, (iii) design and fabricate a lighter chassis and body, and (iv) develop an air-cooling system that would prevent overheating of the system.

This proposal directly funds:

1. Parts and Supplies
2. Manufacturing Costs for Custom Modules