



STUDENT SUSTAINABILITY COMMITTEE

**Funding Award and Acceptance Letter**

April 25, 2019

Project: Alternative Energy Innovation at the Hydrosystems Laboratory

Dear Mx. Baser:

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 \$120,000 in grant funding**. This fully funds all items on your proposal.

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

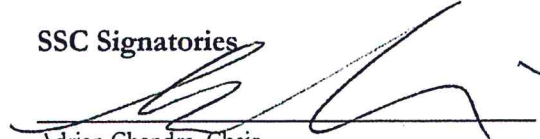
1. A final report of all work completed should be provided to the SSC Program Coordinator by May 31, 2021.
2. Project status updates and detailed account statements must be provided at the end of each semester, in the method requested, until the project is completed.
3. The Contact Person will be individually 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 Program 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 Chair, Adrian Chendra, at [chendra2@illinois.edu](mailto:chendra2@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.

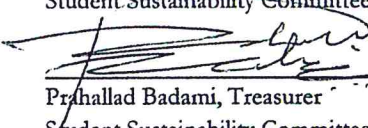


STUDENT SUSTAINABILITY COMMITTEE

**SSC Signatories**

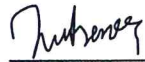


Adrian Chendra, Chair  
Student Sustainability Committee

 4/29/19

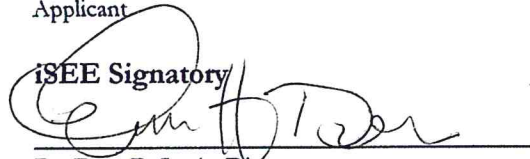
Prahallad Badami, Treasurer  
Student Sustainability Committee

**Awardee Signatory**



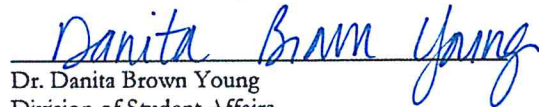
Tugce Baser  
Applicant

**iSEE Signatory**



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:** Alternative Energy Innovation at the Hydrosystems Laboratory

**Funding Source:** Sustainable Campus Environment Fee

**Funding Amount:** \$120,000

**Receiving Campus Unit:** Facilities and Services

**Unit Financial Contact:** Jenny Watkins

**E-mail:** watkinsj@illinois.edu

**Project Description:**

As part of the construction of the new Hydrosystems Laboratory, it has become possible to integrate energy piles into the construction. This represents an emerging chance to take the next steps toward geothermal energy on campus by installing energy foundation piles in a large campus building. This project focuses on installation of geothermal heat exchangers within the foundation of the new Hydrosystems Laboratory. Approximately half of the pre-existing building was removed and a larger segment is being built to replace the demolished half. The new portion will be supported by eight drilled shafts. The goal is to use four of these shafts to install energy piles to provide the heating and cooling to the Geotechnical Instructional Laboratory. Data collected during operation of the piles will be used to investigate their heat transfer processes, and the results will be compared with the experimental data and the numerical model will be validated for further use to design new buildings on campus and in the surrounding areas.