# *Thank you for your commitment to green initiatives at the University of Illinois. One of the ongoing requirements listed in the terms of the funding agreement for your project is the submission of semesterly reports with key information about your project. In addition to this form, please provide additional financial documentation and/or progress photos if available.*

# *Please be as accurate as possible in describing the project (including possible setbacks or challenges in meeting the initial goals of the project). Not fully meeting your project's goals will not disqualify you from making future funding requests as long as your reports are as complete and accurate as possible. If you have any questions, please contact the Student Sustainability Committee, at* *sustainability-committee@illinois.edu**.*

**Project Name:** Thermal Response Test unit for Geothermal Pilot Project

**Date of Report Submission:** 8/25/2017

**Project Purpose:**

The goal of this project is begin the development of geothermal as a resource on this campus, with initial steps of building a thermal response test unit. This device will allow data collection on geothermal reservoir responses and begin student involvement in geothermal work on campus.

**Detailed Accounting of Expenditures to Date:**

Our current expenditures have us under budget. Please see attached spreadsheet.

**Project Progress to Date:**

The project started with a steep learning curve with the initial design of the device. Once the initial design was complete, purchasing and construction began. Material delays and acquiring the appropriate skills to sweat pipe effectively delayed progress. Once summer arrived, focus was split among the student members. Our current progress is slower than expected due to many factors, including, refocusing of departmental resources, 2 students leaving the project and the learning curve for the remaining student. Our current status is to finish the electrical portion of the device and progress to final testing.

**Student Involvement and Outreach to Date:**

Three students were involved in the initial development, design and execution of the project. Following the end of the spring semester, the lead graduated and one of the students has left the project leaving one student to complete the project. The goal is to involve more students once the device is complete and can be utilized and demonstrated fully. At the beginning of the semester, the TRT pilot device will be presented as a student project to the incoming Energy Systems MEng students.

**Marketing and Promotion Efforts to Date:**

No marketing has been conducted as the device is unfinished, yet other universities and departments have observed the device.

**Additional Comments:**

Please find progress pictures attached.