

# student sustainability committee

university of illinois at urbana-champaign



January 30<sup>th</sup>, 2009

University of Illinois at Urbana-Champaign (UIUC)  
Student Sustainability Committee

Re: Request for funding from the UIUC Sustainability / Clean Energy Technology Fees  
Project: ISTC Open Geothermal Loop  
Applicant: Todd Rusk

Dear Todd:

On behalf of the Student Sustainability Committee for the University of Illinois at Urbana-Champaign, I would like to thank you for responding to our call for proposals to use funds raised by the student Clean Energy Technology and Sustainability Fees to implement a project that improves the sustainability of our campus. Each proposal was evaluated based on its sustainability impact (i.e. energy or sustainability impact, campus presence, project longevity, and budget) and broader impact (i.e. education and creativity).

The Committee is pleased to inform you that we are recommending to the Office of Sustainability that your project (to install an open geothermal loop to help power the ISTC building and decrease energy use and greenhouse gas emissions) be **funded the amount of \$27,000, with the following requirements:** 1) that in the case of a "dry hole" or insufficient flows to proceed, that committee funded expenditures be kept below \$6,000, 2) that outreach, education and publicity for the project take place and indicate the support of the Committee, and 3) that the project be completed by April 2010, and any unspent funds revert back to the Student Sustainability Committee. We agree to reimburse expenses necessary before funds transfer is complete. If the project is not completed by the target date, you may apply for an extension. If you have any questions regarding these requests, please contact us at [sustainability-committee@uiuc.edu](mailto:sustainability-committee@uiuc.edu)

The Committee will contact you when the Office of Sustainability officially approves this project. At that point, we will discuss the Committee's protocol for financial and progress management to complete this project, and make arrangements for transfer of funds. As previously discussed, semesterly updates and account statements describing how funds are being used will be required in addition to a final report on project completion.

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.

Sincerely,

Suhail F. Barot  
UIUC Student Sustainability Committee, Chair

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**Project:** Open Geothermal at ISTC

**Funding Source:** Clean Energy Technology Fee

**Funding Amount:** \$27,000

**Receiving Campus Unit:** Illinois Sustainable Technology Center

**Primary Contact Person:** Todd Rusk

**E-mail:** toddr@istc.illinois.edu      **Phone:** (217)244-5716

**Secondary Contact Person:** Tim Lindsey

**E-mail:** tlindsey@istc.illinois.edu      **Phone:** (217) 333-8940

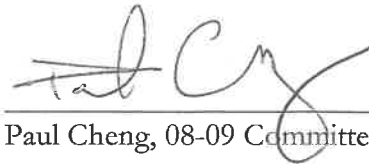
## **Project Description:**

The goal of this project is to conduct a feasibility study regarding installing an open geothermal loop underneath the Illinois Sustainable Technology Center. The open geothermal loop would take water from one of the many nearby aquifers and only introduce heat into the system. The project will increase awareness of geothermal systems, determine the physical and chemical attributes of the aquifer, and study integrating the geothermal system with the current HVAC system. The ISTC hopes to decrease their energy use and greenhouse gas emissions by 25%-50%. The ISTC would test the procedure on this building, but hopes to extend it to other campus buildings. Thus, the Student Sustainability Committee is in favor of funding the full requested amount of \$27,000.

## **Student Sustainability Committee:**



Suhail Barot, 08-09 Committee Chair

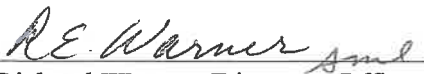


Paul Cheng, 08-09 Committee Vice-Chair

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Ying Fang, 08-09 Committee Treasurer

Date Approved: 2/17/09

## **Office of Sustainability:**

  
Richard Warner, Director, Office of Sustainability

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Steve Sonka, Vice-Chancellor for Public Engagement

Date Approved: 2/20/09

Date Approved: \_\_\_\_\_