January 18, 2012

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

Re: Request for funding from the University of Illinois Sustainability / Clean Energy Technology Fees
Project: Energy Displays and Metering
Applicants: Wes Jarrell and Karen Decker, Environmental Change Institute (ECI)

Dear Wes Jarrell, Karen Decker, and Kent Reifsteck:

On behalf of the Student Sustainability Committee for the University of Illinois at Urbana-Champaign, I would like to thank ECI 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 purchase and install software to display building energy use, and upgrade building metering) **receive $156,750 in grant funding, with the following requirements:** 1) That up to $50,000 of these funds may be used to purchase Energy Dashboard building license, installation of software, training eDNA and Energy Dashboard software, and the first year of Energy Dashboard support and maintenance; 2) That up to $6750 be utilized to fund the annual support and maintenance agreement with the software provider for the second year – any subsequent funding for support and maintenance is not included in this agreement; 3) That up to $100,000 may be utilized to upgrade building metering systems to provide real-time data to this display system. Note that these funds may only be used on a matching fund basis. Such funds may not be used until a list of meter upgrades is agreed upon by SSC, ECI, and Facilities and Services; and 4) That all unused funds revert to the SSC.

Because this project requires coordination between the applicants, Karen Decker and Wes Jarrell, and Facilities and Services, Morgan Johnston, each party has agreed to the following responsibilities to complete this project:

**Environmental Change Institute**
> Coordinate meetings with representatives of major stakeholder groups (ECI, SSC, F&S, etc.) for the purpose of development, communication and clarity concerning scope of project, funding expenditures, review of phases, and deliverables
> Coordinate selection of appropriate buildings for building metering system upgrades that will be providing real-time data to the dashboard display system, assuming that the connections are technically or technologically feasible.
> Develop content for website, including incorporation of new buildings, with input from stakeholders
> Coordinate marketing, communications with stakeholders, and progress reports
> Compose and develop final project report with input from F&S and other stakeholders as required.

**Facilities and Services**
> Implement and launch Energy Dashboard module
> Provide technical support for metering, direct digital connections and dashboard website.
> Purchase software and install system with funds designated in this award letter
> Determine data connections, server needs, IITAA compliance issues for website
> Communicate regularly with ECI concerning implementation issues and progress updates
> Install and connect upgraded building metering systems
> Determine technical feasibility of connecting building metering systems to Dashboard and supporting systems

In addition, the project must meet the following requirements:
1) All funds must be spent by June 30, 2013
2) A final report of all work completed should be provided by July 30, 2013
3) Project status updates and detailed account statements must be provided at the end of each semester until the project is completed
4) Any substantial modifications to project scope, budget, or timeline must first be approved by SSC
5) All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal Laws

If you agree to the terms and conditions for the funding, please sign on the designated line below. If you have any questions regarding these requirements, please contact the SSC Program Advisor, Mckenzie Beverage, at mbeverag@illinois.edu. You will be notified when the Office of Sustainability 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.

**SSC Signatories**

Marika Nell
Chair, Student Sustainability Committee

Kathryn Kinley     1/30/12
Treasurer, Student Sustainability Committee

**Facilities and Services Signatory**

Kent Reifsteck
Director Utilities and Energy Services,
Facilities and Services

**Awardee Signatories**

Wes Jarrell
Environmental Change Institute

Karen Decker
Environmental Change Institute

**Office of Sustainability Signatory**

P. K. Khanna
Pradeep Khanna
Associate Chancellor, Public Engagement
Interim Director, Office of Sustainability

## Project Information

**Project:** Energy Displays and Metering

**Funding Source:** Sustainable Campus Environment Fee

**Funding Amount:** $156,750

**Receiving Campus Unit:** Environmental Change Institute

**Unit Financial Officer:** Lori Spencer

**E-mail:** lcspence@illinois.edu **Phone:** (217) 244-0965

**Primary Contact Person:** Wesley M. Jarrell

**E-mail:** wjarrell@illinois.edu **Phone:** (217) 244-0965

**Secondary Contact Person:** Karen Decker

**E-mail:** karend@illinois.edu **Phone:** (217) 333-0548

**Project Description:**

This proposal seeks to install web-based display system for campus building energy consumption. The initial system will include information from 25 buildings as well as the Abbott power plant. Data will be available in real-time for buildings that have real-time metering, and monthly for other buildings; utilities included will be steam, chilled water and electricity. This project will also leverage funds from other project partners to make upgrades to building metering systems to provide real-time data for display and campus energy management use. Breakdown of funds is as follows: up to $50,000 for software purchase and install, up to $6750 for software maintenance, and up to $100,000 (this last portion in matching funds) for metering upgrades in initial buildings. Once the program is in place, ECI will work with project partners to arrange to display information on new or existing in-building displays as well as add information from other buildings. The Student Sustainability Committee is in favor of funding a grant in the amount of $156,750.

Note: Use Org code for F&S Energy Conservation 862000