

Bloomsburg University Presidential Strategic Planning Grants

TITLE PAGE

Project Title: **Campus-wide energy monitoring and efficiency initiative**

Strategic Issue(s) directly addressed: [refer to *IMPACT 2015*]

- **Strategic Issue 2: Achieving excellence while assuring financial sustainability**
- **Strategic Issue 4: Developing and fostering a strong sense of community**

Targeted Strategic Action Plan(s) [refer to *IMPACT 2015*]

- **Strategic Issue 2:**
 - **Goal #1: Identify, examine, align and allocate resources to meet institutional priorities**
 - **Action Item 1.c: Examine efficiency of current services / departments / programs to optimize current and future resources**
 - **Action Item 1.d: Make sustainability a consideration in the decision-making for all building and purchasing**
- **Strategic Issue 4:**
 - **Goal #3: Encourage environmental awareness and responsibility**
 - **Action Item 3.a: Improve community performance regarding and knowledge of campus wide activities that support sustainability**

Has this project been submitted elsewhere for funding, or received prior funding from any other source?

- **\$39,900 from Constellation Energy, E2 Energy to Educate Grant, awarded Nov. 2011**

Total Requested: **\$25,000**

Project start date: **5/1/2012** End date: **5/1/2013**

Project Coordinator/ (name, position, department, phone)

- **Nathaniel Greene (Professor, Physics and Engineering Technology, ngreene@bloomu.edu, x4153)**
- **John Holtzman (Asst. Facilities Director for Energy and Environment, jholtzma@bloomu.edu, x4944)**

Other Participants (names, positions, departments, email, phone)

- **Jeff Wolfe (Electrical Services Supervisor, Facilities, jwolfe@bloomu.edu, x4535)**
- **John Moyer (Building Automation Technician, Facilities, jmoyer@bloomu.edu, x4728)**
- **Jeff Brunskill (Assoc. Prof., Geography and Geosciences, jbrunski@bloomu.edu, x4355)**

PROJECT SUMMARY

Bloomsburg University’s ongoing energy education project (solar array and kiosk) has become an impetus for the BU Office of Facilities Management to modernize its electrical metering of buildings. We propose to link utility meters in ten buildings to our campus-wide **Building Automation System** (Siemens Apogee), enabling managers to identify opportunities for energy efficiency and cost savings. Five of these buildings – Nelson Field House, Elwell Residence Hall, Warren Student Services Center, Haas Auditorium, and Hartline Science Center (East and West) – will be further integrated into a **Building Dashboard** software package. This industry-leading software, by Lucid Design Group of Oakland, CA, is optimized for public viewing, especially by students, with user-friendly graphs, energy awareness information, and embedded Facebook discussions.

Active monitoring of campus electrical use will help the BU Administration to justify and build public consensus for energy efficiency and conservation measures. Associated savings in utility costs could sustain and expand the investments outlined in this proposal.

By signing below, I give my consent to, and support for, the proposal as described above. I have considered the impact on university personnel resources, including staff support.

Nathaniel Greene, Coordinator

John Holtzman, Co-Coordinator

Peter Stine, Physics & ET Chair

Eric Ness, Asst. VP of Facilities

Robert Marande, COST Dean