*Please submit this completed application and any relevant supporting documentation by the deadline listed on the SSC website to* *Sustainability-Committee@Illinois.edu**.The Working Group Chairs will be in contact with you regarding any questions about the application. If you have any questions about the application process, please contact the SSC Program Advisor, Micah Kenfield, at* *kenfield@illinois.edu*

# General Information

**Project Name:** Classroom LED Upgrades

**Total Amount Requested from SSC:** $25,000

**Project Topic Area(s):** [x] Energy [x] Education [x] Food & Waste

 [ ] Land [ ] Water [ ] Transportation

# Contact Information

Applicant Name: Bradley Klein

Unit/Department: Capital Programs/Utilities

Email Address: bradklei@illinois.edu

Phone Number: 217-300-3400

**Project Team**

|  |  |  |
| --- | --- | --- |
| **Name** | **Department** | **Email** |
| Bradley Klein | F&S/Capital Programs | bradklei@illinois.edu |
| Greg Moen | F&S/Utilities | gamoen@illinois.edu |
|   |   |   |
|   |   |   |

# Project Information

Please provide a brief background of the project, the goals, and the desired outcomes:

Project Background: The proposed project is a campus-wide upgrade of general assignment classroom lighting. While Maintenance is in charge of the cost to replace lamps that are part of the general illumination, any can lights that are used for chalkboards/marker boards, supplemental lighting during slide shows, etc. are excluded. The existing lamps in these fixtures are typically incandescent, which burn out quickly and are energy inefficient. The funds to replace these are minimal, and have to compete with other classroom needs such as repairs to floors, ceilings, walls, chalk boards, window air conditioning units, etc.

Project Goals: The goal of this project is to provide new fixture-compaitble LED lamps in all general assignment classrooms across campus.

Desired Outcomes:

1. The new classroom lamps will save electricity;
2. Reduce complaints from instructors;
3. Improve visibility of text, etc. which will improve student learning;
4. Reduce waste from lamp replacement; and
5. Save labor in relamping fixtures.

Please provide a brief summary of how students will be involved in the project:

Students can potentially be involved with field verification of existing conditions, the design and selection of replacement lamps, and site observations during construction.

Please provide a brief summary of the project timeline:

Once approved, the project will go into the design phase, lasting 1-2 months. Once the design is complete, in-house laborer-electricians will install the new lamps and coordinate adjustments in lighting controls, etc. Installation will take 1-2 months.

Additional comments

This is an important project in terms of addressing physical shortcomings that directly impact student learning and contribute to excessive energy consumption.