



## STUDENT SUSTAINABILITY COMMITTEE

### Funding Application – Step II

#### Funding Criteria

##### A. General Rules

1. Students, faculty, and staff are encouraged to submit requests for funding. Student-led projects require a faculty or staff sponsor in order to have funds awarded.
2. Funding can only go to university-affiliated projects from students, faculty, staff, and departments.
3. All SSC projects must make a substantial impact on students. This may be a direct impact or an impact through education and engagement. All SSC funding is 100% from student green fees, so the projects funded by the students must benefit them.
4. SSC encourages innovation and new technologies – creative projects are encouraged to apply.
5. Unless a type of expense is specifically listed below as having restrictions, SSC can generally fund it. The items referenced below should not be taken as comprehensive list.

##### B. Things SSC Can Fund, On A Case-By-Case Basis

1. SSC can fund feasibility studies and design work; however, it must work toward ultimately addressing a sustainability need on campus.
2. SSC can fund staff positions that are related to improving campus sustainability. Strong preference will be given to proposals receiving matching funding from departments and/or plans for maintaining continuity of the position after the end of the initial grant.
3. SSC can fund outreach events with a central theme of sustainability, provided their primary audience is the general campus community.
4. SSC discourages funding requests for food and prizes but will consider proposals on a case by case basis that prove significant reasoning.
5. SSC can fund repairs and improvements to existing building systems as long as it works toward the goal of improving campus sustainability; however, a preference is shown to projects utilizing new or innovative ideas.
6. SSC can provide departments with loans for projects with a distinct payback on a case by case base. Loans will require a separate memorandum of understanding between SSC and departmental leadership pledging to repay the award in full and detailing the payback plan.

##### C. Things SSC Will Not Fund:

1. SSC will not fund projects with a primary end goal of generating revenue for non-University entities.
2. SSC will not fund personal lodging, food, beverage, and other travel expenses.
3. SSC will not fund any travel expenses.
4. SSC will not fund tuition or other forms of personal financial assistance for students beyond standard student employee wages.

**Your Step 2 funding application should include this application, the supplemental budget form, and any letters of support.**

Please submit this completed application and any relevant supporting documentation to [Sustainability-Committee@illinois.edu](mailto: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 Student Sustainability Committee at [sustainability-committee@illinois.edu](mailto:sustainability-committee@illinois.edu).

## General & Contact Information

**Project Name:** Art & Design Hallway Lighting

**Total Amount Requested from SSC:** \$23,118.00

**Project Topic Areas:**  Land & Water  Education  Energy  
 Transportation  Food & Waste

**Applicant Name:** David Akins

**Campus Affiliation (Unit/Department or RSO/Organization):** School of Art & Design

**Email Address:** akins@illinois.edu

### Check one:

- This project is solely my own **OR**  
 This project is proposed on behalf of (name of student org., campus dept., etc.): Art & Design

### Project Team Members

Name	Department	Email
David Akins	Art & Design	akins@illinois.edu
Chris Bonner	Art & Design	jrbonner@illinois.edu

### Student-Led Projects (Mandatory):

Name of Faculty or Staff Project Advisor:

Advisor's Email Address:

### **Financial Contact (Must be a full-time University of Illinois staff member)**

Contact Name: Kendra Shaffer, Assistant Director of Business Services

Unit/Department: Art & Design

Email Address: kshaffer@uillinois.edu

## **Project Information**

*Please review the proposal materials and online content carefully. It is highly recommended you visit a working group meeting sometime during the proposal submission process.*

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

*You may copy and paste your Step 1 application answer if nothing has changed.*

The second and third floor of Art & Design house our most-used student workspaces. The hallways currently have bare fluorescent bulbs and manual switches. We propose the replacement of the ceiling with a suspended ceiling system and integrated edge-lit LED flat panel lights, with occupancy sensor light controls. Each hallway is 9 feet by 253 feet. The hallways are heavily used for the display and critique of student artwork. We are requesting \$23,118 to fund the light fixture replacement. Art & Design will provide \$23,264 to fund the ceiling replacement, using funds awarded by the Energy Conservation Incentive Program for our reduced energy consumption. Art & Design will fund any incidental costs. Work will be done by Olympic Construction and Aladdin Electric through F&S Contractor Services.

### **Where will the project be located? Are special permissions required for this project site?**

*If special permission is required for this location, please explain and submit any relevant letters of support with the application.*

The project will be in the Art & Design building 2<sup>nd</sup> and 3<sup>rd</sup> floor hallways. No special permission is required.

### **Other than the project team, who will have a stake in the project? Please list other individuals, groups, or departments affiliated directly or indirectly by the project. This includes any entity providing funding (immediate, future, ongoing, matching, in-kind, etc.) and any entities that benefit from this project.**

*Please attach letters of commitment or support at the end of the application.*

School of Art & Design will provide matching funding via the ECIP award.

All Art & Design students use these hallways as critique and discussion spaces and will benefit from the improved lighting conditions every day.

### **How will this project involve and/or benefit students?**

*This includes both direct and indirect impact.*

The hallways in the Art & Design building are heavily used for the exhibition of artwork, class critiques, discussions, and as student gathering areas. Light is an integral component in all of the work that students perform at Art & Design, whether on a screen, paper, canvas, projected, or in the form of three dimensional objects. Good lighting is critical to display and discussion of those works. One of our goals in this project is to improve the quality of lighting in the hallways to improve the ability to observe the work, and to elevate the level of discussion.

The appearance of high traffic student spaces will be drastically improved using energy saving technology. The project will demonstrate directly to students support for Art & Design on a campus that may seem science and engineering focused to those students. Permanent signage will be posted in each hallway describing the technology and energy savings, and attributing the funding from the Student Sustainability Committee.

### **How will you bring awareness and publicize the project on campus? In addition to SSC, where will information about this project be reported?**

We will post information about this project on the Art & Design website, the College of Fine and Applied Arts website, in our alumni newsletter, and directly on the project itself, so that all of the affected students will understand the impact of the project and be directed to the SSC website. Please see attached photo of a ceiling tile graphics mockup.

## **Financial Information**

*In addition to the below questions, please submit the supplemental budget spreadsheet available on the Student Sustainability Committee [website](#). Submission of both documents by the submission deadline is required for consideration of your project.*

### **Have you applied for funding from SSC before? If so, for what project?**

We received funding in 2010 for a green roof and rainwater collection system on the Art & Design Link Gallery.

### **If this project is implemented, will you require any ongoing funding required? What is the strategy for supporting the project in order to cover replacement, operation, or renewal costs?**

*Please note that SSC provides funding on a case by case basis annually and should not be considered as an ongoing source of funding.*

This project will not require ongoing funding. As this is considered standard corridor lighting and is on their side of the division of responsibility, it is expected that Facilities and Services will provide whatever minimal service is needed. This should represent a savings in bulbs to F&S.

### **Please include any other obtained sources of funding. Have you applied for funding elsewhere?**

*Please attach any relevant letters of support as needed in a separate document.*

Art & Design received an Energy Conservation Incentive Program award in 2018, and the school has committed matching funds from those monies. Please see attached commitment letter from the Director of Art & Design.

## Environmental, Economic, and Awareness Impacts

**How will the project improve environmental sustainability at the Urbana-Champaign campus? If applicable, how does this project fit within any of the [Illinois Climate Action Plan \(iCAP\)](#) goals?**

This project will reduce energy use as detailed below, in support of the iCAP goal to reduce building energy consumption.

All figures are totals for both hallways.

Current fixtures: 88 bulbs x 30W = 2,640W

New fixtures: 62 fixtures x 31W = 1,922W

**Savings:** 718W savings x 3,024 estimated occupied hours per year = **2,171kWh per year savings**

Savings estimates are conservative, as occupancy sensors will drastically reduce power consumption during unoccupied times. Hall lights are frequently left on after students depart, which has not been figured into occupied hours figure. Students have access to the workspaces 24/7. It is also estimated that the existing bulbs would need to be replaced at least 3 times in the next 20 years.

**How will you monitor and evaluate the project's progress and environmental outcomes? What short-term and long-term environmental impacts do you expect?**

*Some examples include carbon emissions, water conservation, green behavior, and reduced landfill waste.*

While it is not possible to separately monitor hallway lighting power consumption, we will track overall building power consumption. As mentioned previously, we expect reduced power consumption immediately and in the long term, as well as a reduction in fluorescent bulb waste.

**What are your specific outreach goals? How will this project inspire change at UIUC?**

This project will serve as an excellent example of a cost effective, straightforward way to improve the carbon footprint and aesthetics of an older building. We hope to use it as a proof of concept to encourage more of these projects throughout Art & Design's 13 buildings on campus.

We will post information about this project on the Art & Design website, the College of Fine and Applied Arts website, in our alumni newsletter, and directly on the project itself, so that all of the affected students will understand the impact of the project and be directed to the SSC website. Please see attached photo of a ceiling tile graphics mockup.

**If applicable, how does this project impact environmental injustice or social injustice?**



**COLLEGE OF FINE & APPLIED ARTS**

School of Art and Design  
143 Art & Design Building, MC-590  
Champaign, IL 61820-6924

March 26, 2019

Student Sustainability Committee  
1101 W. Peabody  
Room 388 (NSRC)  
Urbana, IL 61801

To whom it may concern:

The School of Art & Design is committing \$23,264.00 from ECIP award funds to match a \$23,118 funding request from the SSC for the Art & Design Hallway Project.

Sincerely,

A handwritten signature in black ink that reads "Alan T. Mette".

Alan T. Mette  
Professor and Director

# Olympic Construction, LLC

907 Fairview  
Urbana, IL 61801

# Estimate

DATE	ESTIMATE NO.
1/24/2019	18341

NAME / ADDRESS
University of Illinois Invoice Processing Center P.O. Box 820 Rantoul, IL 61866

Phone	Fax	E-mail	PROJECT
(217)344-1961	(217)344-1961	ben.frick@olympic-construction.net	18341
DESCRIPTION			TOTAL
<p>Art and Design - 2nd floor ceiling                      -provide and temporary install of ram board floor protection for entire hallway                      -remove existing ceiling in hallway - leaving wall angle in place                      -repair wall angle where necessary                      -install new 2x2 suspended ceiling grid system with 2x2 directional fissured tile to match basement hallway</p> <p>Estimated Cost:                      labor 82 hrs @ 81.93 = 6718.26    materials: 4913.74</p>			11,632.00
Thank you for the opportunity to bid this project.			<b>TOTAL</b> \$11,632.00

# Olympic Construction, LLC

907 Fairview  
Urbana, IL 61801

# Estimate

DATE	ESTIMATE NO.
1/24/2019	18342

NAME / ADDRESS
University of Illinois Invoice Processing Center P.O. Box 820 Rantoul, IL 61866

Phone	Fax	E-mail	PROJECT
(217)344-1961	(217)344-1961	ben.frick@olympic-construction.net	18342
DESCRIPTION			TOTAL
<p>Art and Design - 3rd floor ceiling                      -provide and temporary install of ram board floor protection for entire hallway                      -remove existing ceiling in hallway - leaving wall angle in place                      -repair wall angle where necessary                      -install new 2x2 suspended ceiling grid system with 2x2 directional fissured tile to match basement hallway</p> <p>Estimated Cost:                      labor: 82 hours @ 81.93 = 6718.26    materials: 4913.74</p>			11,632.00
Thank you for the opportunity to bid this project.			<b>TOTAL</b> \$11,632.00



# ALADDIN ELECTRIC, Inc.

1201 E Oregon  
Urbana, IL 61802  
Phone (217) 344-5977  
Fax (217) 344-8210

January 24, 2019

University of Illinois

Attn: Chris Bonner/Dave Akins

Re: Arts & Design Hallways/ ADB2 & ADB3 Ceiling Replacement

Please consider this our proposal to provide electrical work required for a light fixture upgrade within the 2<sup>nd</sup> and 3<sup>rd</sup> floor hallways during ceiling replacement. Each floor consists of the following electrical work:

- Disconnect, remove, and dispose of all fixtures and lamps within designated areas
- Provide temporary lighting within designated area hallways
- Provide and install thirty-one (31) Lithonia EPANL 2234L50K 2X2 flat panels fixtures with 6' spacing as available.
- Provide and install seven (7) ceiling mounted motion sensors on each floor to control twenty-six (26) light fixtures. Five (5) fixtures will be non-switched night lights
- Fixtures shall be supported on two points from building structure per code
- Remove and re-install existing exit lights

Labor (192hrs. @ \$93.17):	\$17,888.64
<u>Material:</u>	<u>\$ 5,229.00</u>

**Amount of Quote: \$23,117.64**

Qualifications:

- 1) Working hours are M-F, 7:00am- 3:30pm
- 2) Dumpster provided by G.C
- 3) Any unforeseen above ceiling code violations not related to light fixture replacement shall be additional to this proposal as directed by Arts and Design personnel
- 4) Light fixtures may have 2-4-week lead time
- 5) Utilize existing electrical as applicable

If you have any questions or wish to speak with me in any regards, please contact me at your earliest convenience.

Thank you,

Michael K. Armstrong  
MKA/cj

**LED DESIGN  
HALLWAY  
LIGHTING  
UPGRADE  
PROJECT**

These energy efficient LED lights will save over 2,000 kWh per year, which is equal to over:



gallons  
of gas  
**159**  
consumed



**1,546**  
pounds  
of coal  
burned



**3,118**  
pounds  
of carbon  
dioxide

Learn more about the Student Sustainability Committee and how you can get involved.



Funded by the Student Sustainability Committee

ART + DESIGN  
HALLWAY  
LIGHTING  
UPGRADE  
PROJECT

These energy efficient  
LED lights will save over  
2,000 kWh per year,  
which is equal to over:



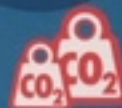
**159**

gallons  
of gas  
consumed



**1,546**

pounds  
of coal  
burned



**3,118**

pounds  
of carbon  
dioxide

Learn more about the  
Student Sustainability Committee  
and how you can get involved:

<http://ssc.sustainability.illinois.edu>



Funded by the Student Sustainability Committee