Student Office of Sustainability: Proposal Form

The Cabin All LED Venue

Primary Proposal Contacts

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Collaboration

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Project Abstract
The purpose of the project is to return the Cabin to an all LED venue. As the paramount performance venue of University Centers, the Cabin hosts performances Wednesday through Saturday of each week. This makes it the most prominent location to raise awareness on energy efficiency as well as to conserve energy. This will be accomplished by replacing the outdated inventory and six incandescent fixtures with new LED fixtures. In addition, new signage will be added that promotes the Cabin as an all LED venue and serves to educate students, faculty, and visitors on the differences between LED, CFL, and incandescent fixtures regarding energy efficiency and cost effectiveness. The two All LED Lighting signage pieces will be written by University Centers along with SOS and displayed within the Cabin, with one sign being displayed on each floor.

Narrative

Sustainability Areas Addressed
This project addresses the area of energy, specifically energy efficiency, as LED fixtures are the most innovative and energy efficient choice of light bulbs to date.

Sustainability Outcomes
Sustainability is valuing the interdependence of our economic, environmental, and social systems.

1. Economic Responsibilities
The proposed change will reduce the entertainment lighting power consumption by 66%. The reduction in energy use will allow the Cabin to be a more energy efficient venue within the Davies Student Center. The cost savings of being more energy efficient will benefit UW-Eau Claire students, as students fund the operational costs of the Student Center. In addition, the current 10-year-old fixtures are non-serviceable and require a complete replacement. The proposed new fixtures have a 15-year life expectancy and are 100% serviceable meaning they should last for the life of the building. Lastly, University Centers will develop and fund the All LED Lighting signage, which will not be printed until approved by SOS Leadership.

2. Environmental Responsibilities
This project emphasizes the use of LED lighting, which is the most energy efficient lighting option to date. For the current entertainment system, the Cabin only uses one-third LED fixtures. The reduction in
energy use will allow the Cabin to be a more energy efficient venue within the Davies Student Center. The current LED’s are generation one and not serviceable in any manner, thus requiring replacement of the entire unit. The proposed fixtures are 100% serviceable and will allow for only the broken components to be replaced.

3. Social Responsibilities
This project maintains the SOS, Student Senate, University Centers, and UW-Eau Claire’s commitment to green technologies, while also helping to promote awareness and provide education on lighting options in the most visible performance space on campus. The educational signage that will be located on both floors of the Cabin will teach students about the important differences between LED, CFL, and incandescent lighting options. By increasing student awareness of the differences between common lighting options regarding the efficiency and cost-effectiveness, students can make educated purchasing decisions in the future.

Project Timeline
Upon approval, this project will be completed by the end of August 2014.

Maintenance
University Centers will be in charge of all annual preventative maintenance and all expenses associated with repair of this equipment.

Project Budget

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Cost per Item</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source 4 LED Vivid – R (Long Throw)</td>
<td>6</td>
<td>$1,750.00</td>
<td>$10,500.00</td>
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<tr>
<td>Martin Rush 2 LED Zoom Par</td>
<td>21</td>
<td>$850.00</td>
<td>$17,850.00</td>
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</tbody>
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TOTAL: $28,350.00