

**Project Information:**

Please provide the following information (take as much space as you need to provide details):

Department: Administration--Facilities Management Address: 210 Martin Luther King Jr Blvd, Madison WI 53703	Total project costs: \$15,200
	Funding amount in current budget: \$0
	Funding amount requested: \$15,200
Project Title: Lussier Family Heritage Center LED Upgrade	
Project Location: 3101 Lake Farm Rd Madison WI 53711	
Project Description:  This is a proposed project to upgrade the inefficient HID, CFL and incandescent lighting that is currently being used at the Lussier Center. The Lussier Center is a multiuse county-owned and maintained facility that is rented to the public for weddings and other large gatherings. The LED lighting that I would install would improve the efficiency of the facility by saving an estimated 11,000KWH of electricity annually and virtually eliminating the maintenance aspect of anything lighting-related inside the facility. Currently the Lussier Center uses HID fixtures for exterior illumination and CFL and incandescent lighting inside that can be costly to maintain and very inefficient and costly to operate.	
Describe how the proposed project moves the county toward meeting the following Sustainability Principles. (See the guiding questions in the box below.) Responses to this section will be used to determine the relative level of sustainability for each project. <ul style="list-style-type: none"> <li>• Reduce and eventually eliminate county government’s contribution to fossil fuel dependence and to wasteful use of scarce metals and minerals;</li> <li>• Reduce and eventually eliminate county government’s contribution to dependence upon persistent chemicals and wasteful use of synthetic substances;</li> <li>• Reduce and eventually eliminate county government’s contribution to encroachment upon nature and harm to life-sustaining ecosystems (e.g., land, water, wildlife, forest, soil, ecosystems); and</li> <li>• Reduce and eventually eliminate county government’s contribution to conditions that undermine people’s ability to meet their basic human needs.</li> </ul> Include in your description any estimated reductions of GHGs / CO2 equivalent emissions related to your proposal. Please use the following calculator to do this: <a href="http://www.epa.gov/cleanenergy/energy-resources/calculator.html">http://www.epa.gov/cleanenergy/energy-resources/calculator.html</a> <p>*Changing to LED from HID,CFL and incandescent will greatly reduce the number of lamps and eliminate the ballasts that are currently being removed and recycled at the Lussier Center. Also, the LED lamps and fixtures that will be installed in the facility use green technology and are mercury- and UV-free and contain no VOC's or heavy metals.</p> <p>*Completion of this project will eliminate the Lussier Center’s use and disposal of HID,CFL, and incandescent lamps.</p> <p>*Converting the Lussier center to LEDs will save an estimated 11,000KWH of electricity annually, which, using the EPA Equivalency Calculator equals out to 8.2 metric tons of greenhouse gas not being produced and emitted and almost 9,000 pounds of coal not being burned.</p>	

<p>Describe how the proposal furthers implementation of the Dane County Government Sustainable Operations Plan goals, objectives, and strategies in your department and/or countywide. Please identify specific plan goals, objectives, and strategies accomplished.</p> <p>Achieves goals and objectives of Climate Change Mitigation and Adaptation, Waste, County Buildings &amp; Facilities, and Education &amp; Outreach categories of the Sustainable Operations Plan by reducing GHG emissions, reducing waste, reducing county operational costs, reducing energy use, reducing toxic chemicals, enhancing educational opportunities about sustainability for staff and community.</p>	
<p>Describe how the county might build upon the outcomes of the proposed project to work toward greater sustainability.</p> <p>This proposed project is one that will showcase the difference that an LED upgrade can make for a facility. It has the potential to show LED lighting to a wide variety of people who might not normally be exposed to it but will be at the Lussier Center for an event and can enjoy all the benefits of upgraded lighting. This is a facility that going forward can be used as a template for all other county facilities that want to upgrade to efficient LEDs.</p>	
<p>Does the proposed project include a strong sustainability education component? If yes, describe the educational component, who it will reach, and how it will be communicated.</p> <p>The Lussier Center is a public-facing Dane County facility. As such, the county could choose to provide educational signage about the sustainability benefits—ghg emission reduction, waste reduction, and operational savings of the measure—that could be visible to the public users of the center.</p>	
<p>Does the proposed project pilot an innovative new sustainability-advancing technology in county operations and can it be demonstrated by the applicant department to hold promise for additional future applications in county facilities? If yes, describe the elements of the innovative technology being proposed.</p> <p>N/A</p>	
<p>Describe how your department will track and measure outcomes of the proposed project (i.e., annual cost savings, annual energy savings, resource use reductions, maintenance reductions, etc.). Include a timeline for measurement and reporting outcomes, and the staff member contact who is responsible for conducting the tracking and measurement and reporting back.</p> <p>Facilities Management currently uses energy tracking software to monitor the efficiency of some county facilities and I will look into the possibility of getting the Lussier Center enrolled into that program as well. The other guaranteed way to track the energy consumption is to compare utility bills from the same time the previous year and after the LED conversion is complete.</p>	
<p>Contact person: Nathan Tuggle, DCFM Electrician</p>	<p>Phone: 608-235-3164 E-mail:</p>