

## **LED Campus – Funding Request**

F&S 10/28/2016

**Signed University Commitments:** LED Campus commitment announced by Chancellor Wise 2013. 2015 iCAP document approved by Interim Chancellor Wilson in October 2016 includes “.....”

**Requested Funding:** \$50,000 in FY17, \$50,000 in FY18 for LED Exit Signs

**Background:** In October 2012 to honor Professor Nick Holonyak Jr., the inventor of LED, the University of Illinois at Urbana-Champaign made a commitment to replace all the interior and exterior wayfinding fixtures by 2025, and majority of all lights on campus to LED by 2050. The campus has been making progress to fulfill this vision over the past few years.

In November 2013, John (Jack) G Dempsey, Associate Director of Sustainable Infrastructure, Center for Sustainable Environment, reiterated the commitment and stated that interior wayfinding fixtures primarily mean the Exit signs within the buildings that need to be replaced by the LEDs. He explained in his briefing that they had hoped that the Revolving Loan Funds (RLF) could be used to implement another phase of LED Exit sign project. Even though LED Exit Signs have good payback, it cannot be funded by RLFs because this payback is not coming through Utilities savings. He also informed that, he talked with Michael Andrechak and Michael will provide a funding of \$100,000 per year for the next five years to replace exit signs with LED lights (original proposal). However, following Jack’s briefing, Michael responded that he wasn’t clear about the funding commitment and advised that they start with a two-year commitment and then review.

In October 2015, Kenneth C. Buenting, Assistant Superintendent Building Maintenance, Facilities & Services at the UIUC, inquired about the funding status of this project for the following year. Morgan Johnston, Associate Director of Facilities & Services, and Curt Taylor, Director of Shared Administrative Services for F&S met on October 23, 2015, and discussed the status of funding request for this project, which would include the original proposal, accomplishments to date from the original \$200K, and the projected cost for completion. Kenneth Buenting updated the status and work done in the FY14 and FY15, where \$100,000 (per year) funding was provided for LED Exit Sign replacement project. Projected cost to complete campus should average around \$198 per fixture, informed that the remaining buildings left to completed will need to be surveyed for replacement/additions to meet compliance. He recommended a proposal for \$50K for the next two years and then review.

Over the two-year period completed 20 Buildings, replaced/added 1053 LED Exit signs. See page 2.

- Total cost for FY14 & FY15 = \$207,942.22 average \$197.50 per fixture labor and material.

In October 2016, Curt Taylor contacted Vicky Gress about the possible campus funding for LED campus wayfinding signage. He informed that Vicky Gress is willing to consider funding but requested a summary of the original proposal, accomplishments resulting from the \$200K funding received, and a project plan including estimated timelines and cost projections.

Kenneth Buenting informed Curt Taylor that they had identified the 21 building on-campus that are in the process of surveying for future LED exit replacements. He said that they should have the counts and prints back in the following week. Part of the project is also working with Craig Grant and Ryan Wild to add additional fixtures for egress and code compliance which they will survey each building and provide us with location and additional count. They will then meet with Morgan Johnston and their electrical group to provide Curt and Vicky with the requested information.

**Action Needed:** Approve funding for two years

<b>CAMPUS EXIT LIGHTING REPLACED WITH LED EXIT LIGHTING</b>							
<b>BUILDING NAME</b>	<b>Bld Number</b>	<b>total LED exit lights</b>	<b># OF EXIT LIGHTS REPLACED W LED KIT</b>	<b># OF BATTERY BACK-UP EXIT LIGHTS</b>	<b># OF AC ONLY EXIT LIGHTS</b>	<b>added Exit Lights</b>	<b>DATE BLD WAS COMPLETED</b>
NSRC	124	53	0	52	0	1	15-Jan-15
Henry Administration	46	56	0	43	0	13	4-Feb-15
PPSB	198	30	0	22	0	8	18-Feb-15
Law Building	156	92	58	2	15	17	30-Mar-15
Water Survey	1104	61	0	7	51	3	14-Apr-15
Beckman	228	126	117	0	6	3	23-Apr-15
Madigan Lab	336	62	0	62	0	0	6-May-15
Burrill Hall	138	16	0	0	16	0	8-May-15
ACB	17	22	12	0	10	0	13-May-15
Public Safety	323	25	0	0	22	3	29-May-15
ISTC	206	37	21	0	16	0	20-Jun-15
MEL	29	38	0	0	38	0	22-Jun-15
			Total	Total	Total	Total	Total to be applied to grant
			208	188	174	48	<b>522</b>

<b>Bldg. Name</b>		<b>Bldg. Number</b>	<b># of LED Exit Signs</b>	<b>Number of battery back-up exit signs</b>	<b>Number of AC only exit signs</b>	<b>Date of work Completed</b>
Grainger Library	replacement	224	42	0	42	3/4/2014
Animal Science	replacement	165	46	46	0	3/7/2014
Roger Adams Lab	replacement	116	61	61	0	3/10/2014
Engineering Science	replacement	174	37	0	37	3/10/2014
Turner	replacement	197	51	51	0	3/24/2014
Turner (stairs)	new	197	27	27	0	4/13/2014
ESB (adds)	new	174	1	1	0	5/8/2014
Animal Science (adds)	new	165	16	16	0	5/16/2014
Turner (adds)	new	197	3	3	0	5/19/2014
RAL (adds)	new	116	8	8	0	5/28/2014
Main Library	replacement	41	100	41	59	5/30/2014
Chem-Life	replacement	70	98	0	98	6/6/2014
FY14			<b>490</b>	<b>254</b>	<b>236</b>	
Education Bld	replacement	160	41	41	0	7/23/2014
FY15			<b>41</b>	<b>41</b>	<b>0</b>	
Total			<b>531</b>	<b>295</b>	<b>236</b>	