

HEIF Project History At A Glance

Project Name STREETLIGHT LED UPGRADE	Project ID Number XHF028	Chartfield 660061_SE001_D30037_00000_0000 0_XHF028
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[Project Folder](#)

Project Description / Scope:

This project originally looked at replacing cobra head street lights with new LED fixtures and retrofitting the existing antique streetlights along LK Wood and Harpts Sts with LED.

Additions to Project Description / Scope

(Include date addition was approved by Committee):

This project replaced existing cobra head street lights on campus with LED fixtures. The upgrade also included bi-level dimming controls which will further increase energy savings. The retrofit for the antique streetlights was ultimately removed from the scope of this project due to high costs.

If you would like to read more in depth about this project:

[Link to Project Report Summary](#)

[Link to Spring 2017 Project Proposal](#)

[Link 2016-2017 Annual Report, see page 10](#)

[Link to 2017-2018 Annual Report, see page 7](#)

[Link to 2019-2020 Annual Report, see page 15](#)

Major Project Milestones

Stage / Phase	Description
<i>Milestone 1: Idea Paper</i>	
Semester & Year Idea Paper Submitted	Spring 2017
Idea Paper Author(s), Major(s), expected	Derek Ichien - ETap Spring 2018

graduation year & Semester	
Date Idea Paper Voted on By Committee (Date aligns to Committee Mtg Minutes)	03/06/2017
Approved for Development (Yes / No)	Yes
Milestone 2: Development	
Semester(s) & Year(s) Project was in Development	Fall 2017
Development Team Member names, majors, expected graduation year & semester	Ty Muhovic - Josiah Norton - ERE McKenna Rayburn - Oceanography, Spring 2019
Development Mentor Name	Kyle Palmer - Research Engineer SERC Garret McSorley - FM Architect
Estimated Savings from this Project	8.5 MWh/year (based on 88 fixtures using the installed fixtures' spec replacing 117 W HID lamps for each fixture) Also assumed that dimming controls on new fixture reduced energy use by 30%
Date(s) Development Proposal Voted on By Committee (Date aligns to Committee Mtg Minutes)	12/07/2017
Approved for Implementation (Yes / No)	Yes

Milestone 3: Funding	
HEIF Funding Amount Requested in Development	\$170,000 for replacing all cobra head fixtures and retrofitting all antique lighting fixtures
HEIF Funding Amount Approved by Committee	\$22,000 (\$20,000 for cobra heads and \$2,000 to pilot LED retrofit in one antique fixture)
HEIF Funding Amount Approved for design services (Included in the amount above)	None specified
Match Funding Amount from other sources (State the other source)	N/A
HEIF Funding Addition Approved by Committee, (Include Date of Additional Funding Approval)	\$38,200 02/27/2019 and \$8,000 on 04/24/2019
Reason for HEIF Funding Addition	Not all cobra heads were accounted for in the development process (34 in development report, 88 are actually on campus), additionally the fixtures purchased would include dimming

	capabilities to further increase energy savings, and have the option of networking at a later date, to enable a campus wide outdoor lighting control system.
Final Budget Estimate	\$68,200
Milestone 4: Design & Permitting	
Date Project transition to PD&C	06/29/2018 - Journal date for original fund transfer
Date Project completed Design Phase (i.e. Date Project was Permitted)	1/4/2019
Name of Design Manager (in house)	Garret McSorley
Name of Outside Consultant	N/A
Major scope element changes	Included all of the cobra head lamps (88), not just the one identified in the development report (34).
Milestone 5: Implementation	
Date Project entered Implementation Phase	6/14/2019 (date first purchase order)
Date Project completed Implementation Phase	2/10/2020
Delivery Method (e.g. name of implementer)	In-house FM trades
Project Coordinator	Ray Robinson
Milestone 6: Project Closeout	
Final Implementation Cost (including non-HEIF sources)	\$47,341.46
Date Project Billed & Recorded in OBI	5/14/2020
Milestone 7: Monitoring	
Final Annual Savings Calculated	
Name of Person who Calculated Savings	
How were savings calculated? (e.g. monitoring devices, utility bill review, etc.)	
Date Savings Metrics Calculated	

Pictures

(Picture 1: Existing Conditions, date photo taken)

(Picture 2: Completed Project, date photo taken)

*(*Include screenshots and links to non-infrastructure projects.)*

Names of People who compiled this information:

Name	Date
Andrea Alstone	04/26/2021
Theressa Lopez	05/06/2021