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Respondent

14

Dylan Peplinskie

14:30

Time to complete

## Final Project Report

1. Date of this final project report submission \*

5/12/2025

2. Name of project exactly as it was listed in your award letter \*

Temple Hoyne Buell Hall DDC Upgrade of Room Equipment

3. Date (or semester/year) of original award letter \*

5/1/2023

4. Expiration date of award as listed on original award letter or approved scope change letter - whichever is more recent \*

5/1/2025

5. Enter the amount of the award, including any budget increases as a result of a previous scope change. \*

80151.95

6. How much (in dollars) of your award (including previous approved budget increases) is remaining? \*

0.00

7. Briefly describe the goals of your project. \*

Reduce steam, Chilled water and electrical usage of building to 2016 values.  
Avoid \$85,000 in utility cost.

8. Did you complete your project as it was outlined in the original award letter or in a subsequent approved scope change? \*

- ☒ Yes, the project was completed as originally outlined.
- ☐ No, the project was not completed as originally outlined.

9. On what date did you consider the project finished or that you stopped working on it? \*

March 2024

10. Describe, in detail, the challenges / obstacles your project faced. \*

Having work completed on time and on budget while working around class schedules in an occupied building present unique challenges.

11. Describe, in detail, the successes your project experienced. \*

The project exceeded target goals for utility reduction of building. The total utility cost avoidance has been \$135,266 lower than previous years, which is more than \$50,000 higher than the original goal.

12. Describe, in detail, how your implemented project addressed sustainability. \*

In FY24 steam consumption was reduced by 52% and electrical consumption was reduced by 30%, compared to the FY21-FY23 average. FY25 is on track to show a 70-80% reduction of steam usage and a 40% reduction in electrical consumption.

13. Describe, in detail, how your project integrated student involvement and community outreach. \*

Students benefited through increased indoor air quality in the building. Many of the large drafting studios in the building did not have direct control over the radiant heating in these spaces, which caused both hot and cold conditions. The project alleviated this issue and resulted in more comfortable spaces. Indirect benefits included reduced annual cost of building utilities which allows for more funding for projects to improve infrastructure in other building on campus. As less money is spent on building utilities, more funding is available to upgrade existing HVAC systems. Both in Temple Buell Hall and others on campus.

14. Describe how the project engaged individuals from underrepresented groups and/or how it promoted diversity, equity, and inclusion. \*

The electrical contractor that assisted with the installation on this project is a certified female owned business.

15. What key takeaways should the campus community know about your project? \*

The project was a success. The avoided utility cost was greater than expected and is on track to exceed payback projections. The project has significantly reduced energy consumption at Temple Hoyne Buell Hall and will help the University in meeting its goal to be carbon-neutral by 2050.

16. Describe the marketing material developed for promotion of your project, including but not limited to advertising (including digital) and/or signage related to this project. All marketing must include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure the promotion appropriately highlights the SSC's contributions to the project. \*

The project has not had a marketing or promotional campaign. The project was awarded an Energy Conservation Incentive Program (ECIP) award and the SSC contribution was highlighted as support that made the project happen.

17. Upload project marketing and/or media not previously submitted in semester progress reports. \*

 [UES SSC Funding Application TBH & Wohlers Dylan Peplinskie.pptx](#)

18. Complete and upload the final financial documentation for your project. You should reflect all expenditures since your last semester project report. We strongly suggest that you also upload supporting financial documentation from Banner for your award's CFOP. Any remaining funds will be transferred back to the SSC. It is the sponsoring department's responsibility to close the CFOP after the account is at a zero balance.

<https://studentengagement.illinois.edu/sites/default/files/2024-09/SSC-Budget-Timeline-FINAL-PROJECT-REPORT-template.xlsx>

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SSC-Budget-Timeline-FINAL-PROJECT-REPORT-D Pe Dylan Peplinskie.xlsx