# *Thank you for your commitment to green initiatives at the University of Illinois. One of the final steps in completing the terms of the funding agreement for your project is the submission of a Final Report with key information about your project. You will also need to submit a detailed report of expenses (if you don't list it within this document) as well as supporting photos to showcase your project.*

# *Please be as accurate as possible in describing the project (including possible setbacks or challenges in meeting the initial goals of the project). Not fully meeting your project's goals will not disqualify you from making future funding requests as long as your reports are as complete and accurate as possible. If you have any questions, please contact the Student Sustainability Committee, at* *sustainability-committee@illinois.edu**.*

**Project Name:** Bevier Café Dishroom Sustainability Project

**Date of Report Submission:** 9/30/2019

**Project Purpose:**

Reduce energy consumption of dish room operations

**Project Summary:**

The Bevier Café is a learning laboratory where FSHN students to get hands on experience running a food service establishment. The funding requested in this application will serve to purchase equipment with greatly reduced energy consumption. The goal of this project is to reduce the carbon footprint of the Bevier Cafe and showcase the improvements to students and the general public.

This project will add to the list of sustainable projects showcased here at the Café. It allows our students and guests to observe sustainable efforts incorporated into foodservice operations. Our students will get to experience the planning and purchasing of equipment that matches our sustainability efforts elsewhere in the facility. Students will be exposed to the process and improvements in our facility lectures and will be able to take sustainable planning ideas with them as the pursue careers. The public which we serve will have access to tours and educational information about the project.

The funding provided for this proposal would be used to install a new, energy efficient, ventless dishwashing machine into the Bevier Hall teaching kitchen. This new machine harnesses energy recapturing technology which uses the steam created from one cycle to heat the next cycle. Our current dishwasher also uses steam, but in a much less efficient manner. In order to heat and store large amounts of water for use in the Bevier Cafe dishroom, our existing system holds steam in old transfer tanks located on the first floor of Bevier Hall. This dishmachine upgrade would allow for the abatement of these old steam tanks. Additionally, with the new ventless machine, we could abandon the current exhaust hood. Removing the exhaust hood reduces the energy cost associated with conditioning building air which currently escapes through the exhaust hood opening.

In short, the energy savings comes from three specific opportunities. 1) The abatement of old team powered transfer tanks. 2) The daily use of the more efficient dishmachine 3) The conditioned air savings through the abandonment of the exhaust hood.

**Summary of Project Expenditures:**

See attached spreadsheet

**Problems/Challenges Encountered**

All target dates were met accordingly

**Problems/Challenges Encountered**

The main issue we confronted was with the proper operating temperature of the new dish machine. This was due to the low water pressure in the building. We added a pressure booster to resolve the problem.

**Student Involvement and Outreach to Date:**

**Students will not only get to utilize this equipment daily it will be showcased for years to come in our facility planning lectures. Students will learn every aspect of planning and procurement of energy efficient equipment. This project will educate our students about the many challenges of building a sustainable food service operation. In addition, as a teaching facility we provide multiple tours every semester to students/public to showcase our program and a highlight of those tours is always our sustainability efforts.**

**Marketing and Promotion Efforts to Date:**

Promotional signage with special thanks to SSC will be printed and posted for student/guest tours of our facilities.

**Additional Comments:**

Any additional comments/relevant information for this report

In addition to the above fields, please provide a detailed accounting of how the funding was spent as well as pictures of the final project in an email to sustainability-committee@illinois.edu. Thank you again for your commitment to sustainability.