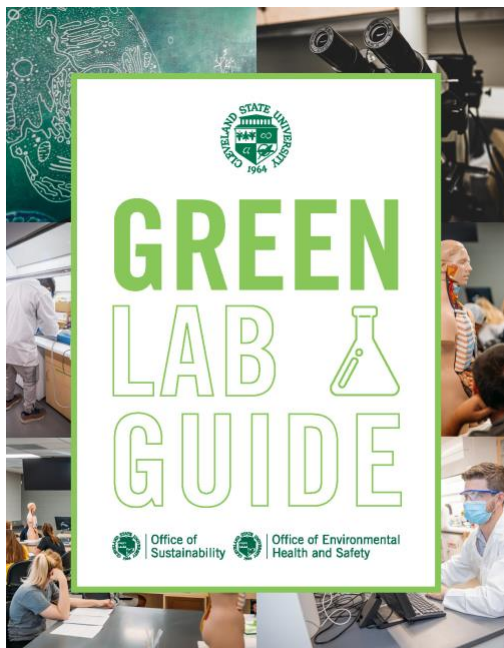


Cleveland State University



Building Owner: Cleveland State University
Building Use Type: Laboratories
Project Name: Green Lab Project
Project partners: CSU Office of Sustainability, CSU Office of Environmental Health and Safety, CSU Facilities Services
Project Start Date: January 2020
Completion Date: February 2021

Rationale for Project:

Laboratories are an important part of research and education at Cleveland State University. They are also resource intensive, using ten times the energy and four times the water of a standard office space. Simple adjustments can curb resource use, save money and provide a sustainable teaching moment.

Project Achievements:

This project delivered the following outcomes:

- [Green Lab Guide](#): This document offers guidelines to reduce consumption and cut costs in the areas of energy, water, waste and sustainable purchasing.
- [Green Lab Checklists](#) were created to facilitate conservation in each of these areas.
- A [Shut the Sash Fact Sheet](#) was created to focus attention on the operation of fume hoods, which are one of the largest energy users on campus. One fume hood can use as much energy as 3.5 homes.
- A [Green Lab Training Program](#) was created to review the principles of the program and is now part of required lab safety training modules.

Project Highlights:

The framework of the CSU Green Lab Guide was developed by a biology student intern with CSU's Office of Sustainability, serving as a valuable learning experience. Support was provided by the Office of Sustainability, the Office of Environmental Health and Safety and CSU Facilities Services. The team conducted interviews with CSU faculty and researched best practice green lab procedures at peer universities to shape the Guide.

Fume hood stickers were created to remind operators to close the fume hood sash when not in use for safety reasons and for energy conservation. Hoods should only be open when setting up or modifying experiments.