

GREEN OFFICE AND LAB PROGRAM (CRP)

PROJECT DESCRIPTION



The green lab program will be further developed, and a corresponding green office program for staff and faculty will be initiated. This includes reducing office generated waste, switching to paper with higher recycled content, encouraging reusable solutions, reducing office energy consumption, and laboratory water consumption. This program will increase visibility of sustainability and foster a sustainable ethos in offices and labs across campus.

PROJECT UPDATES

After collaborating with sustainability representatives from across the country to review best practices for green office programs given the change office life in the last year, a new working group will be formed to develop the University's Green Office Program.

PROJECT OUTCOMES

- Increase number of labs participating in the green lab program by 10%
- Develop a green office program based on peer institutions, tailored to Villanova's office/department structure
- Test the green office program on 2-3 willing departments

AFFECTED METRICS



Metric Metric Description

- 6.1** Total potable water use per year.
- 7.2** Campus's energy intensity (site energy).
- 9.2** Scope 1 and 2 net greenhouse gas emissions.
- 9.3** Percentage of campus buildings built and certified to current sustainable standards (AASHE and LEED as of 2019).
- 12.1** Proportion of total waste disposed of in a non-circular manner.
- 13.1** Scope 1 and 2 net greenhouse gas emissions.

2021 Key Results

- Sub-meter the potable water consumption of the ten highest consumption buildings on campus.
Develop a plan to reduce energy intensity.
- Develop a plan to reduce Scope 1 and 2 emissions to meet the 1.5 IPCC report by 2050.
- Conduct a waste audit and develop an action plan.
- Develop a plan to reduce scope 1 and 2 emissions to meet the 1.5 IPCC report by 2030. Buy at least 10% of electricity from renewable sources