

PROMOTION OF REUSABLE WATER BOTTLES



PROJECT DESCRIPTION

Install more water bottle filling stations as well as coffee mug cleaning stations near every coffee shop on campus to promote the use of reusable mugs and bottles. The use of reusable water bottles will eliminate the need for single-use plastic water bottles. People will be able to find filling stations and cleaning stations for their reusable beverage containers throughout campus. Reusable bottles will decrease the amount of waste produced, while increasing awareness and sustainable lifestyles on campus.

PROJECT UPDATES

While water fountains were turned off for COVID safety, the hydration stations are still active, meaning many are still able to fill up their water bottle throughout campus. A group of senior mechanical engineering students are designing a mug washing station for the CEER Holy Grounds as part of their Capstone. This will hopefully make it safe to use reusable mugs again in our Café areas.

PROJECT OUTCOMES

- Identify high traffic areas that do not currently have a hydration station. Set up a two-year plan to install new stations
- Develop a capstone project for mechanical engineering students to design a mug cleaning station

AFFECTED METRICS



Metric	Metric Description	2021 Key Results
6.1	Total potable water used per year.	Sub-meter the potable water consumption of the ten highest consumption buildings on campus.
6.4	Mass of plastic due to water and beverage consumption sold on Villanova's campus (soda, sports drinks, water, coffee, etc.).	Reduce the sale and availability of single use plastics by 50%.
12.1	Proportion of total waste disposed of in a non-circular manner.	Conduct a waste audit and develop an action plan.
14.2	Percent of unrecycled plastic waste produced on campus.	Conduct a waste audit and develop an action plan.