

# ENCOURAGING SUSTAINABLE BEHAVIOR CHANGES



## PROJECT DESCRIPTION

This is an initiative that promotes behavioral changes around campus through signage and on-campus events. The topics that this initiative cover include at LEAST the following: (1) Promoting energy efficiency by turning off lights and video games (2) Waste education on campus including what to recycle, how to recycle, small changes one can make to eliminate campus waste (reusable bags, bottles) and etc. (3) Information on how to reduce water usage (4) Could include the Plastic Initiative (see below) (5) Carpooling (6) Continuing to promote the climate change challenge.

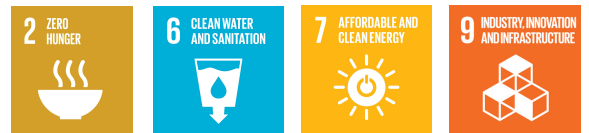
## PROJECT UPDATES

The fall semester was focused on spreading awareness of reusable solutions of plastic utensils by handing out reusable solutions. The spring semester is focused on surveying those who participated and identifying ways to improve our efforts as we attempt to reach the rest of the student body.

## PROJECT OUTCOMES

- Develop a behavior change program for students, faculty, and staff that include measurable milestones, campus wide communication, and reward systems.

## AFFECTED METRICS



Metric	Metric Description	2021 Key Results
2.3	Percentage of food disposed of in a non-circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
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, water, coffee, etc.)	Reduce the sale and availability of single use plastics by 50%.
7.2	Campus's energy intensity (site energy).	Develop a plan to reduce energy intensity.
9.1	Net carbon emissions emitted by student, faculty, and staff commuters.	Develop comprehensive plan to reduce commuting related carbon emissions.
9.2	Scope 1 and 2 net greenhouse gas emissions.	

# ENCOURAGING SUSTAINABLE BEHAVIOR CHANGES



## AFFECTED METRICS (CONTINUED)



Metric	Metric Description	2021 Key Results
11.5	Proportion of commuter miles traveled using low carbon transportation (public transit, carpooling, walking, biking, and electric vehicles).	Develop a plan to reduce commuting miles by car.
12.2	Percentage of food disposed of in a non-circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
13.1	Scope 1 and 2 net greenhouse gas emissions.	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.
14.2	Percent of unrecycled plastic waste produced on campus.	Conduct a waste audit and develop an action plan.

# VILLANOVA'S SUSTAINABLE DIET



## PROJECT DESCRIPTION

This initiative focuses on educating the student body and spreading awareness on the impact of our foods. This includes signage and outreach programs that educate students on the impacts of different foods and diets. Dining services should work to reduce their plastic use in food packaging by switching to reusable options and, if necessary, replace with single use compostable options.

## PROJECT UPDATES

Extensive social media outreach efforts have been implemented regarding vegetarian and vegan diets. Coordination efforts are underway with Dining Services to improve and increase vegetarian and vegan diet options in the dining halls.

## PROJECT OUTCOMES

- Student education of the benefits for health, animals, and environment when you change your diet.
- Increased access to sustainable options.
- Awareness of not just WHAT we are eating but also WHERE it comes from and packaging.

## AFFECTED METRICS



Metric	Metric Description	2021 Key Results
2.1	Prevalence of moderate or severe food insecurity in the university population, based on the Food Insecurity Index.	Reduce food insecurity for Villanova students to no more than 10%.
2.3	Percentage of food disposed of in a non circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
9.2	Scope 1 and 2 net greenhouse gas emissions.	Conduct a waste audit and develop an action plan.
12.1	Proportion of total waste disposed of in a non-circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
12.2	Percentage of food disposed of in a non-circular manner.	

# VILLANOVA'S SUSTAINABLE DIET



## AFFECTED METRICS (CONTINUED)



Metric	Metric Description	2021 Key Results
13.1	Scope 1 and 2 net greenhouse gas emissions	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.
14.2	Percent of unrecycled waste on campus.	Conduct a waste audit and develop an action plan.
14.3	Proportion of seafood consumed on campus that is sustainably caught or raised and certified sustainable by third party standards.	Assess third party sustainable seafood standards for adoption.

# PLASTIC REDUCTION PROJECT



## PROJECT DESCRIPTION

Eliminate single use plastics on campus by working with departments across the university to change their practices. In first 2 years, start by organizing a bin area for people who bring plastic bags on to campus to recycle them and/or reuse them as garbage bags. In next segmented years, work to eliminate other single use plastics such as silverware, straws, to go boxes, etc. Also work with operations to strategically place water bottle refill stations and reusable coffee cup cleaners.

## PROJECT UPDATES

Due to COVID safety measures, plastic use has increased. The student group worked with Dining Services in the Fall semester to swap Styrofoam with paper-based products. The students are communicating with dining to identify other ways to reduce plastic consumption for the fall semester.

## PROJECT OUTCOMES

- Significantly reduce single-use plastic in dining services through reducing demand.
- Improve incentives for bringing reusable cups to coffee shops on campus.
- Department-wide audit on plastic use.
- Student survey sent out to the student body about plastic use.

## AFFECTED METRICS



Metric	Metric Description	2021 Key Results
2.3	Percentage of food disposed of in a non-circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
12.1	Proportion of total waste disposed of in a non-circular manner.	Conduct a waste audit and develop an action plan.
12.2	Percentage of food disposed of in a non-circular manner.	Divert 100% of pre-consumer food waste from landfill or incineration.
12.3	Campus recycling rate.	Conduct a waste audit and develop an action plan.
13.1	Scope 1 and 2 net greenhouse gas emissions.	Develop a plan to reduce Scope 1 and 2 emissions to meet the 1.5 IPCC report by 2020. Buy at least 10% of electricity from renewable sources.
14.2	Percent of unrecycled waste on campus.	Conduct a waste audit and develop an action plan.

# STUDENT INPUT ON CONSTRUCTION PROJECT

## PROJECT DESCRIPTION

Villanova's campus is a place where many students spend their four years in college and look back on fondly. They remember the classes, the buildings, but will remember in most detail the impact and the things that they were apart of. Allowing students to have input on non-maintenance related construction projects on campus will create a stronger sense of buy-in with students and will promote a stronger tie to campus. A project team will represent the input concerns and comments from the student body as well as from SSC. Input will lead to the student perspective being represented in meetings and in documents and/or provisions in construction project work plans.

## PROJECT UPDATES

N/A

## PROJECT OUTCOMES

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## AFFECTED METRICS



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Metric	Metric Description	2021 Key Result
11.1	Proportion of non-utility and non-maintenance projects that have stakeholder input from students, faculty, and staff.	
16.4	Satisfaction of female and male employees in their work environment, work policies, and with family friendly services and facilities at Villanova.	Publish Villanova board and cabinet meeting minutes after each meeting.