

GOAL 6: Clean Water and Sanitation



VILLANOVA 2030 OBJECTIVE

Attain sustainable water practices at Villanova in terms of potable water, watershed, stormwater, water quality, and wastewater management..

12%

Objective Weight

(The importance of the Goal to the Villanova community - as determined by the materiality study.)

Metric	Metric Description	2021 Key Result
6.1	Total potable water used per year.	Sub-meter the potable water consumption of the ten highest consumption buildings on campus.
6.2	Average efficiency of green and best management practice (BMP) infrastructure in terms of reducing peak flow. This includes raingardens, constructed wetlands, and green roofs.	Measure the peak wastewater discharge from campus.
6.3	Percentage of rainfall captured from impervious surfaces on campus.	Measure the average inches of rainfall captured from impervious surfaces on campus. Evaluate capture systems.
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%.

GOAL 13: Climate Change



VILLANOVA 2030 OBJECTIVE

Take urgent action to combat climate change as central to our institutional mission while substantially reducing emissions associated with campus and supply chain operations in accordance with the U.N. IPCC goal of 1.5°C.

10.3%

Objective Weight

(The importance of the Goal to the Villanova community - as determined by the materiality study.)

Metric Metric Description

- 13.1** Sub-meter the potable water consumption of the ten highest consumption buildings on campus.
- 13.2** Measure the peak wastewater discharge from campus.
- 13.3** Degree of implementation of an up-to-date integrated climate change and disaster resilience strategy.

2021 Key Result

- Develop a plan to reduce scope 1 and 2 emissions to meet the 1.5 IPCC report by 2030.
- Conduct a comprehensive scope 3 emissions inventory.
- Develop and publish a comprehensive resilience strategy including an updated climate action plan.

GOAL 14: Life Below Water



VILLANOVA 2030 OBJECTIVE

Promote water conservation and reduce Villanova's impacts on terrestrial ecosystems as they relate to aquatic environments.

7.1%

Objective Weight

(The importance of the Goal to the Villanova community - as determined by the materiality study.)

Metric	Metric Description	2021 Key Result
14.1	Annual mass of nitrogen and phosphorus used in fertilizer on campus.	Assess the load of pollutants in Villanova's wastewater and storm water runoff.
14.2	Percent of unrecycled plastic waste produced 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.
14.4	Average efficiency of green and best management practice (BMP) infrastructure in terms of reducing pollutant loads. This includes raingardens, constructed wetlands, and green roofs.	Assess the load of pollutants in Villanova's runoff.

GOAL 15: Life on Land



VILLANOVA 2030 OBJECTIVE

Integrate biodiversity, business practices, and research to protect natural ecosystems from degradation at Villanova.

7.5%
Objective Weight

(The importance of the Goal to the Villanova community - as determined by the materiality study.)

Metric Metric Description

- 15.1** Carbon sequestered per year by Villanova's campus ecosystem.
- 15.2** Portion of campus considered Green space and/or covered by trees. Includes green roofs.
- 15.3** Proportion of campus biosphere considered to be an alien or invasive species.
- 15.4** Percentage of campus managed under sustainable landscape management practices or an equivalent third party certification.

2021 Key Result

- Measure the total mass of carbon captured by biomass on campus.
- Develop a comprehensive report of Villanova's campus biodiversity.
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