

### Priorities

Marquette has plenty of exciting opportunities and potentials for advancing sustainability. In the near term, however, we should focus our efforts on strategies that support the following four priorities. Naturally, priorities and their strategies will change over time, so we will revisit and revise this list in future versions of the campus sustainability plan.



**Literacy and Capacity.** Develop institutional awareness and understanding about what sustainability is and why it is important. Cultivate attitudes, values and skills for sustainability that will inspire change and enable action.

- For Students: Incorporate sustainability education into existing curricular and cocurricular offerings. Develop new offerings that are sustainability-focused or sustainability-related.
- For Faculty and Staff: Incorporate sustainability education into existing employee training and development programs. Develop new sustainability education and engagement programs for faculty and staff at all levels in all departments (e.g. skills and behaviors development for cafeteria staff; sustainability leadership development for faculty or managers).

With enhanced sustainability literacy, sustainability leadership and capacity will emerge. Over time, this will result in a dynamic institutional culture of sustainability. Leadership, capacity and culture will further enhance literacy.



**Funding.** Find the necessary capital to invest in achieving our sustainability vision and goals, and develop strategies for funding and incentivizing campus sustainability efforts of various types and scales. These strategies could include program or project budget allocations, green revolving loan funds, green fees, green grants, and gifts. Some are better suited to support academic or cocurricular efforts, while others are better for supporting capital or infrastructure projects, smaller-scale sustainability projects and ideas, engagement programs/projects, or general operating. Like other institutional priorities, sustainability requires financial support to be successful and resilient. Fortunately, investments in sustainability generate savings, benefits and value over time.



**Sustainable Development.** Emphasize sustainability during the early phases of implementing the campus master plan. Per the master planning process' Sustainability Working Group (2016), our design, construction and renovation projects should prioritize:

- **Energy.** Reducing emissions by using less carbon-based energy, improving energy efficiency and transitioning to renewable energy sources.
- **Water.** Minimizing stormwater discharge from campus and reducing campus water consumption.
- **Buildings and Landscape.** This priority issue is broader, but includes:
  - Establishing sustainable design standards (e.g., LEED, WELL, Living Building Challenge)
  - Implementing smart, energy-efficient technologies and controls
  - Increasing native landscaping, no-mow zones and forested areas



**Campus and Community Engagement.** Develop and participate in collaborative activities, programs, projects, events and relationships that advance sustainability both at Marquette and beyond our institutional boundary. This will help integrate sustainability into the campus culture, set a positive tone for the university and strengthen community relations.

### Getting to Green

Achieving sustainability success can be challenging, but getting there is a positive and fun experience, and the outcomes are more important now than ever before. With this plan and our efforts to implement it, Marquette takes significant steps on its path to green.



# GETTING TO GREEN

## Campus Sustainability Plan v1.0

### April 2018



**BE THE DIFFERENCE.**



## Getting to Green

### Campus Sustainability Plan v1.0 | April 2018

Marquette University is committed to sustainability and environmental justice. Our Jesuit mission and Catholic social teachings compel us to care for others and the environment through sustainability. But getting to green requires navigating exciting opportunities and realistic challenges. Despite this complexity, pursuing sustainability can be a positive and fun experience, and can help us achieve our mission, values and strategic goals. This plan outlines an overarching approach to sustainability that can inspire and guide us for the next several years.



#### What Is Sustainability?

Sustainability means meeting the social, environmental and financial/economic needs of the present without compromising the ability of future generations to meet their own needs. Sustainability includes conserving energy, water and other resources; protecting and improving air, water and habitat quality; preventing waste and pollution; and doing these activities in a manner that promotes social justice, health, environmental welfare and economic security.

#### Why Is Sustainability Important?

Sustainability goes beyond the right and green thing to do; it is also smart business for our institutional success.

- Sustainability education prepares students for career success and responsible citizenship.
- Sustainability improves organizational efficiency, decreases operational costs and reduces risk.
- Sustainability catalyzes increased giving and new sources of funding.
- Sustainability helps attract, retain and motivate elite students and employees.
- Sustainability strengthens community relations and facilitates new partnerships.
- Sustainability research and education demonstrate relevance in addressing today's grand challenges and helps unify the campus around a shared sense of purpose.



#### Sustainability Vision

Marquette in the future is a world-class eco-university in the eco-city of Milwaukee, reaching beyond boundaries to transform our social, environmental and economic influence — today and for future generations. We embrace sustainability as a social responsibility, and the community admires our sustainability leadership. To be the difference in this regard, everyone at Marquette seeks opportunities to innovate, collaborate and advance sustainability as it relates to academics, engagement, operations and more. We do this in pursuit of our Jesuit mission to discover knowledge, develop excellence and cultivate faithful leadership in service to others.



#### Guiding Principles

Four fundamental actions or behaviors will inspire and guide sustainability at Marquette:

- Care** — Social and environmental responsibility, including care for creation and climate justice.
- Enhance** — Health and well-being of students, employees, communities and ecosystems.
- Protect** — Environmental welfare and ecosystem resilience.
- Secure** — Economic security and resource conservation.

#### St. Francis /Laudato Si Pledge

In 2015 President Michael Lovell joined over 75 institutions in signing the St. Francis Pledge (now known as the St. Francis/Laudato Si Pledge). The pledge is an institutional commitment to pray, act and advocate to care for creation, solve climate change and promote climate justice.

## Sustainability Goals

Marquette will strive to achieve the following campus sustainability goals by 2025:

- Emissions: Reduce greenhouse gas emissions to 25 percent below baseline level by reducing energy use and transitioning to cleaner and renewable energy sources.
- Energy: Maintain overall energy use at or below baseline level and improve building energy efficiency by 10 percent.
- Water: Reduce water use per person to 10 percent below baseline level.
- Waste: Reduce waste production per person to 10 percent below baseline level and divert at least 25 percent of waste away from the landfill by reducing, reusing, recycling, composting, etc.

Category	Unit	Baseline (Avg 2013-14-15)	Performance (2017)	Change	2025 Goal	Notes
Emissions	eCO <sub>2</sub> tons	79,530	65,202	-18%	-25%	1
Energy Use	MMBtu	589,118	587,454	-0.28%	±0%	2
Energy Use Intensity	KBtu/ft <sup>2</sup>	100.3	101.8	+1.5%	-10%	
Water Use	gallons/wcu	12,659	12,322	-2.7%	-10%	3
Waste Production	tons/wcu	0.59 (2017)			-10%	4, 5
Landfill Diversion		17.5% (2017)			25%	6

Notes:

1. Emissions from scope one and two sources in tons of carbon dioxide equivalents. Emissions decreased significantly after 2015 because our steam source changed from coal to natural gas.
2. Campus energy use from all sources in MMBtu (includes electricity, steam, natural gas).
3. Campus water use in gallons per weighted campus user (includes building and irrigation uses).
4. Campus waste production in tons per weighted campus user (excludes construction/demolition and hazardous waste).
5. The baseline (and performance) period for waste/diversion goals is 2017.
6. Percent of campus waste that is recycling, composting, shredding and food recovery.

Some notes on the goals:

- We chose these 6 goals to provide focus for this first campus sustainability plan. They address the most common and fundamental categories of measuring and reporting sustainability performance: greenhouse gas emissions, energy use, water use, and waste production.
- The goals align with international sustainability reporting best practices, including GHG Protocol standards and AASHE STARS technical guidelines.
- The goals are ambitious, yet realistic and achievable. They will require investment and change, and we will not achieve them using a business-as-usual approach.
- The goals align with predicted changes in Marquette's physical campus per the campus master plan (2016). They have also been normalized to account for changes in building area or campus population.
- The 2025 goal year provides focus and motivates a sense of urgency, yet also allows time to reach significant milestones by the quarter-century mark.
- We will articulate additional goals in subsequent versions of the campus sustainability plan, e.g. goals related to academics, research, campus and community engagement, stormwater management, renewable energy, transportation, purchasing or other institutional themes, practices and priorities.