



Penn

Green Campus Partnership

Business Administrator Forum

School of Medicine

February 17, 2010

- 1. Penn's Commitment**
- 2. Campus Footprint**
- 3. Strategies:**
 - a) Energy Conservation**
 - b) Waste Minimization**
 - c) Sustainable Commuting**
 - d) Greener Consumption**
 - e) Learning Sustainability**
- 4. Where do we go from here?**
- 5. School of Medicine initiatives**

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“This is a defining issue of the 21st century, and I am proud to promote higher education as a leader in addressing global climate change through research, education, and reduction of greenhouse gas emissions.”

A handwritten signature in blue ink, reading "Amy Gutmann".

Amy Gutmann
Penn President





OUR COMMITMENT

September 2009: Climate
Action Plan submitted

2007 – 2009: Environmental Sustainability
Advisory Committee

Implementation

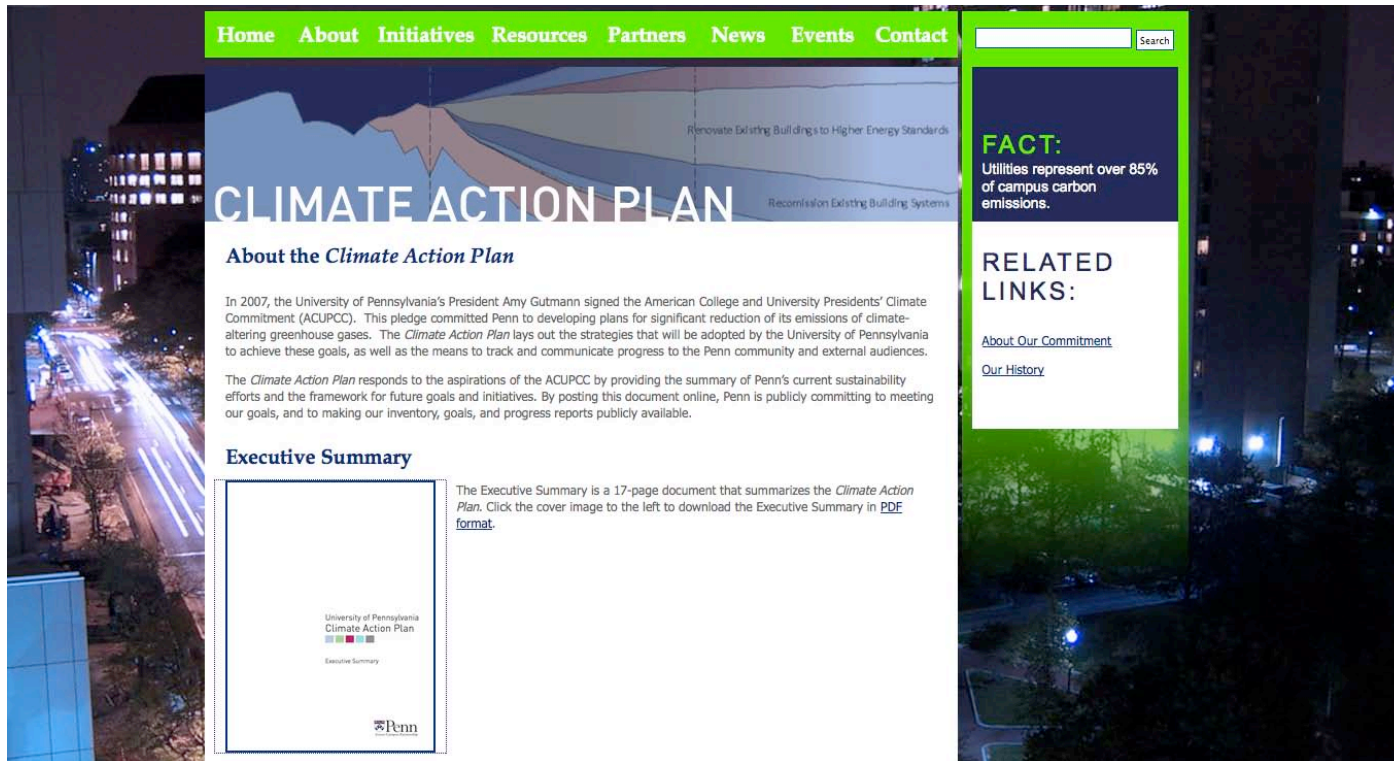
2007

2008

2009



<http://www.upenn.edu/sustainability/cap.html>



Home About Initiatives Resources Partners News Events Contact

Renovate Existing Buildings to Higher Energy Standards
Recommission Existing Building Systems

CLIMATE ACTION PLAN

About the *Climate Action Plan*

In 2007, the University of Pennsylvania's President Amy Gutmann signed the American College and University Presidents' Climate Commitment (ACUPCC). This pledge committed Penn to developing plans for significant reduction of its emissions of climate-altering greenhouse gases. The *Climate Action Plan* lays out the strategies that will be adopted by the University of Pennsylvania to achieve these goals, as well as the means to track and communicate progress to the Penn community and external audiences.

The *Climate Action Plan* responds to the aspirations of the ACUPCC by providing the summary of Penn's current sustainability efforts and the framework for future goals and initiatives. By posting this document online, Penn is publicly committing to meeting our goals, and to making our inventory, goals, and progress reports publicly available.

Executive Summary

The Executive Summary is a 17-page document that summarizes the *Climate Action Plan*. Click the cover image to the left to download the Executive Summary in [PDF format](#).

FACT:
Utilities represent over 85% of campus carbon emissions.

RELATED LINKS:

- [About Our Commitment](#)
- [Our History](#)

University of Pennsylvania
Climate Action Plan
Executive Summary





OUR COMMITMENT

Conserve Energy

Design Green

Reduce Emissions

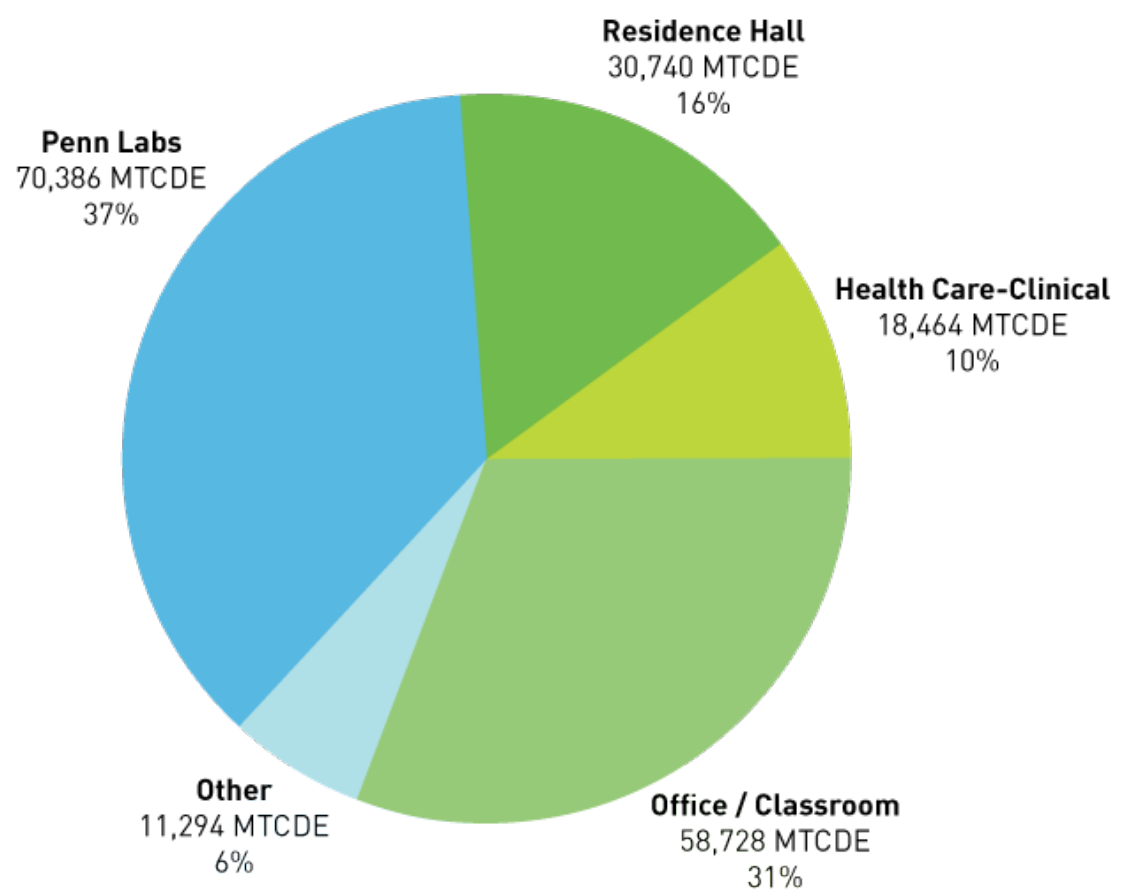
Minimize Waste

Learn Sustainability

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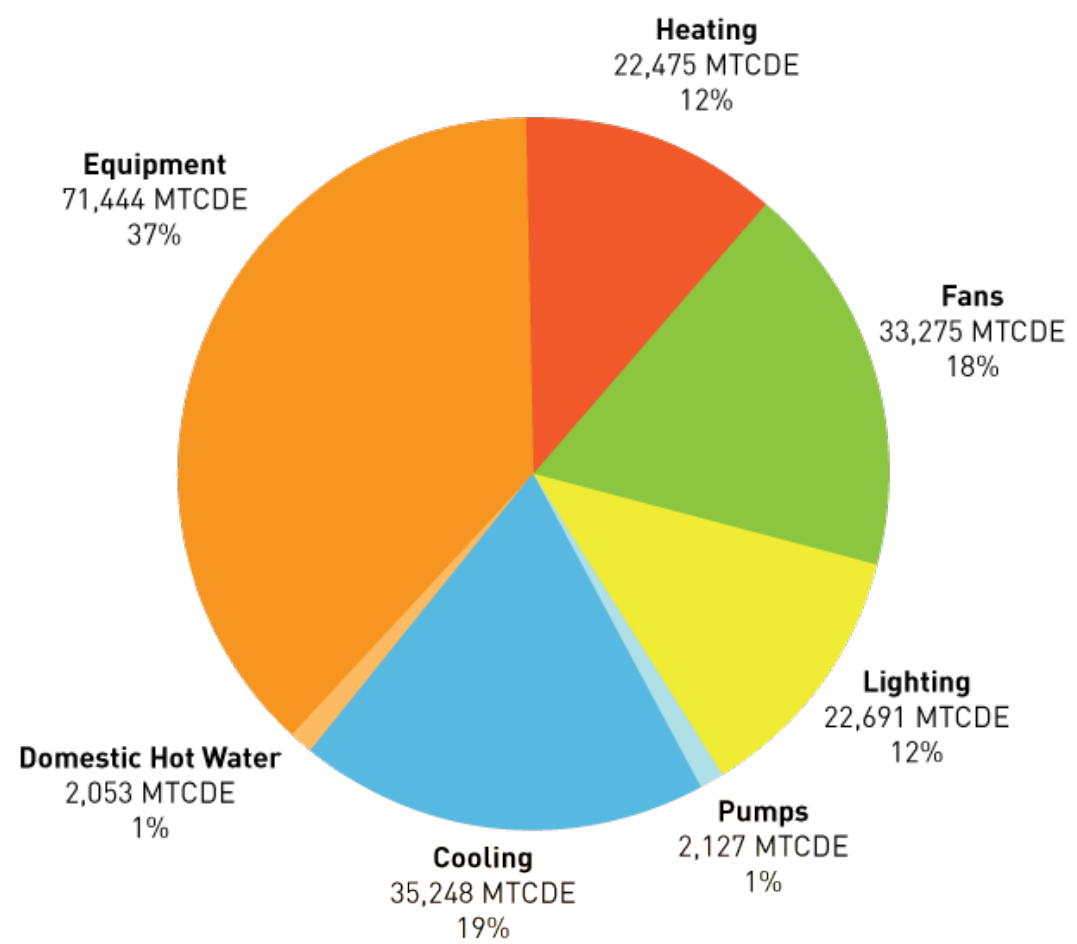
OUR FOOTPRINT

FY09 Emissions Sources By Building Type



OUR FOOTPRINT

FY09 Emissions Sources By Use



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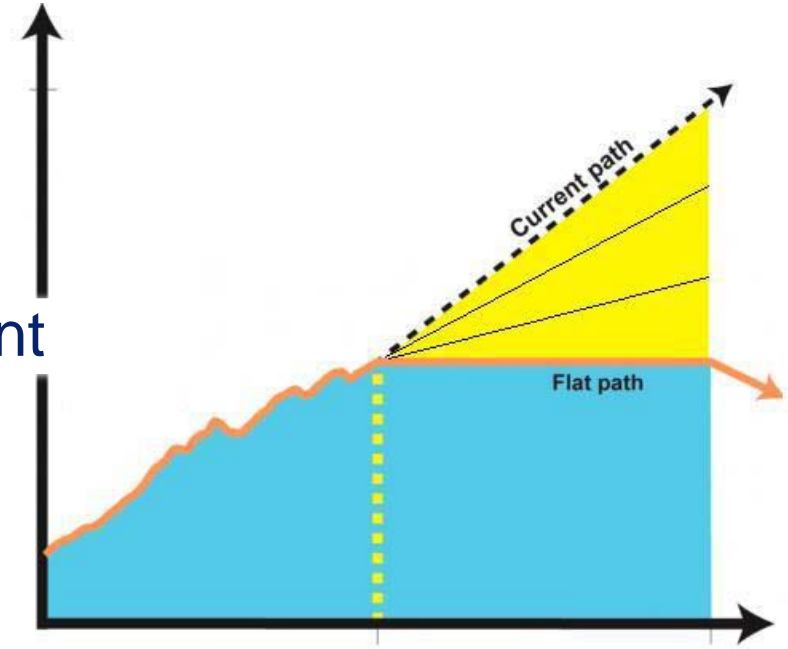
CONSERVING ENERGY

Goals:

- 5% energy reduction by end of 2010
- 17% reduction by 2014

Strategies:

- Campus energy management
- Building system upgrades
- Behavior change



CONSERVING ENERGY



What you can do:

- Turn off everything you turn on
- Change your clothes, not the thermostat
- Work in the daylight
- Complete a home energy audit



Goals:

- 40% recycling rate by 2014
(currently 23%)

Strategies:

- BigBelly Solar Compactors
- PennMOVES
- Electronic and Universal Waste Disposal
- Computer recycling 3x per year
- Paper and Commingle Recycling
- Printer Cartridge and Pen Recycling



WRITING INSTRUMENTS

Program Overview

Paper Mate and Sharpie, part of Newell Rubbermaid Office Products, have teamed up with TerraCycle to help Penn develop new sustainable initiatives!

For every writing instrument sent in to TerraCycle, a contribution of \$0.02 will be made to the Penn Green Fund!

For more details, or to become a location coordinator, please contact JoAnn Murphy, Director of Purchasing, at joannmur@upenn.edu

RECYCLE ALL:

- Pens
- Markers
- Highlighters





What you can do:

- Use your recycling bin!
(http://www.facilities.upenn.edu/sustain_wast.php)
- Print less
- Bring your own mug
- Stop junk mail
- Use on-line forms

Help Penn reach
its 30% goal!

Reduce.
Reuse.
Recycle.



www.upenn.edu/sustainability

THE FATE OF YOUR WASTE





Goals:

- 60% of faculty and staff commute to Penn via public transit, biking, or walking (currently 40%)

Strategies:

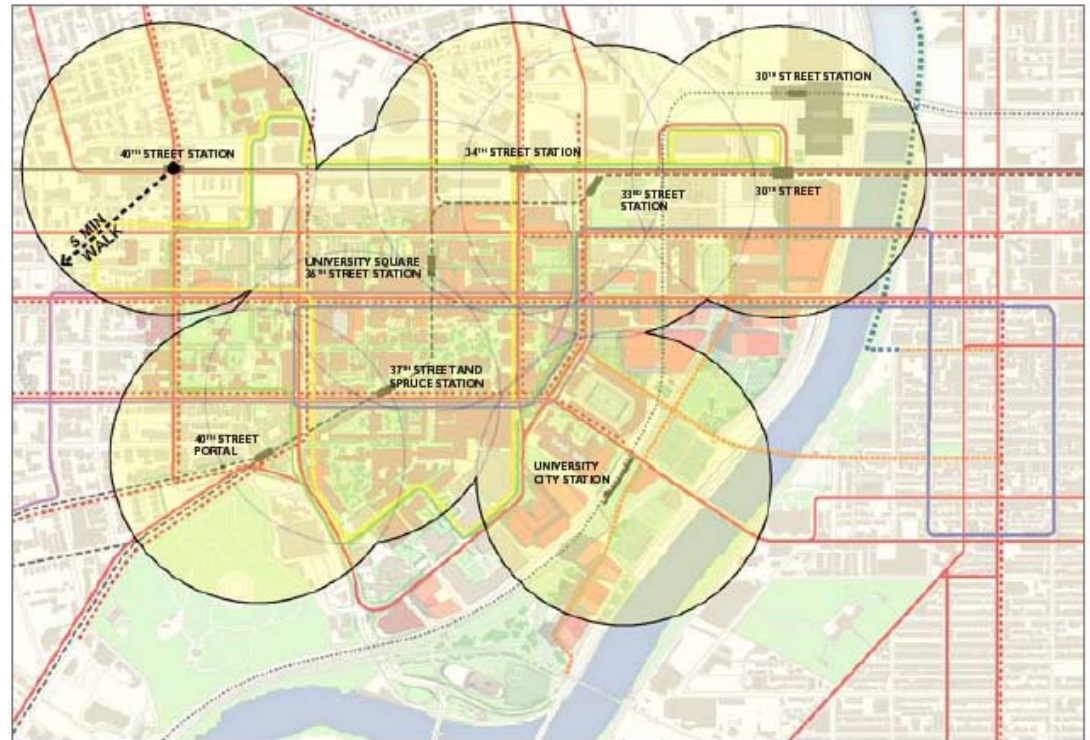
- New bike parking spaces
- Discounted SEPTA passes
- University PhillyCarShare account



SUSTAINABLE COMMUTING

What you can do:

- Walk or bike to work
- Take transit
- Carpool or car share



<http://www.business-services.upenn.edu/transportation/partnership/compass.html>



Purchasing and local food initiatives:

- Partnership with Bon Appetit
- Recycling partnership with Office Depot and Telrose

GREENER CONSUMPTION

What you can do:

- Order sustainable catering packages
- Buy green products 
- Consolidate orders
- Eliminate water bottles with a Quench filter

<http://www.purchasing.upenn.edu/green-initiative>



Academic programs:

- Master of Environmental Studies (MES)
- Wharton / Arts & Sciences dual degree (MBA / MES)
- Fels / Arts & Sciences dual degree (MGA / MES)
- Organizational Dynamics Sustainable Development concentration

Other opportunities to learn more:

- Penn Reading Project - focus on water for 2010-2011
- Calendar of lectures and films
- <http://www.upenn.edu/sustainability/>

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STAFF GROUPS

Become a staff Eco-Rep!

Email us at sustainability@upenn.edu

Visit the Green Campus Partnership

website: <http://www.upenn.edu/sustainability/>





On the Green Campus Partnership website:

- Bi-monthly e-newsletter: *Red & Blue On College Green*
- Educational resources
- Podcasts and lectures
- Social networking
- Events calendar, partnership opportunities

<http://www.upenn.edu/sustainability/>



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School of Medicine initiatives:

1. Staff training
2. Conserving energy
3. Green Fund Project
4. Recycling
5. Designing green
6. Upcoming events

Building upgrades

- Air handling units
- Vivaria
- Window replacements

Operational changes

- Preventative maintenance





Apply to the Green Fund

Projects selected in December 2009:

- Mayer Hall Composting
- Penn Garden
- Sigma Chi Fraternity Window Restoration
- Energy Efficiency Plan for University City District
- Purchase of Electric Vehicle for Public Safety
- **School of Medicine Lighting Analysis and Implementation**

**Next round of applications available February 1
Due March 15**



DESIGNING GREEN

Goal:

- LEED silver as the minimum standard for new building construction
- **Fisher Translational Research Center**
- **Sustainable interiors and furniture**



MED SCHOOL RECYCLING FAIR

Tuesday, Feb. 16
Biomedical Research
Building II Lobby
11-2pm

University departments and featured vendors will showcase new recycling programs, resources, and green products available to the Penn community.



Help Penn reach
its 30% goal!

Reduce.
Reuse.
Recycle.



www.upenn.edu/sustainability

GREEN LABS BROWN BAG LUNCH

Friday, Mar. 12
John Morgan Building
Class of '62 Auditorium
12-1pm

An introduction to green lab practices and how you can help the University reach its Climate Action Plan goals.



Help Penn reach
its 30% goal!

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Recycle.



www.upenn.edu/sustainability



To have the biggest impact:

Reduce your energy use

Recycle

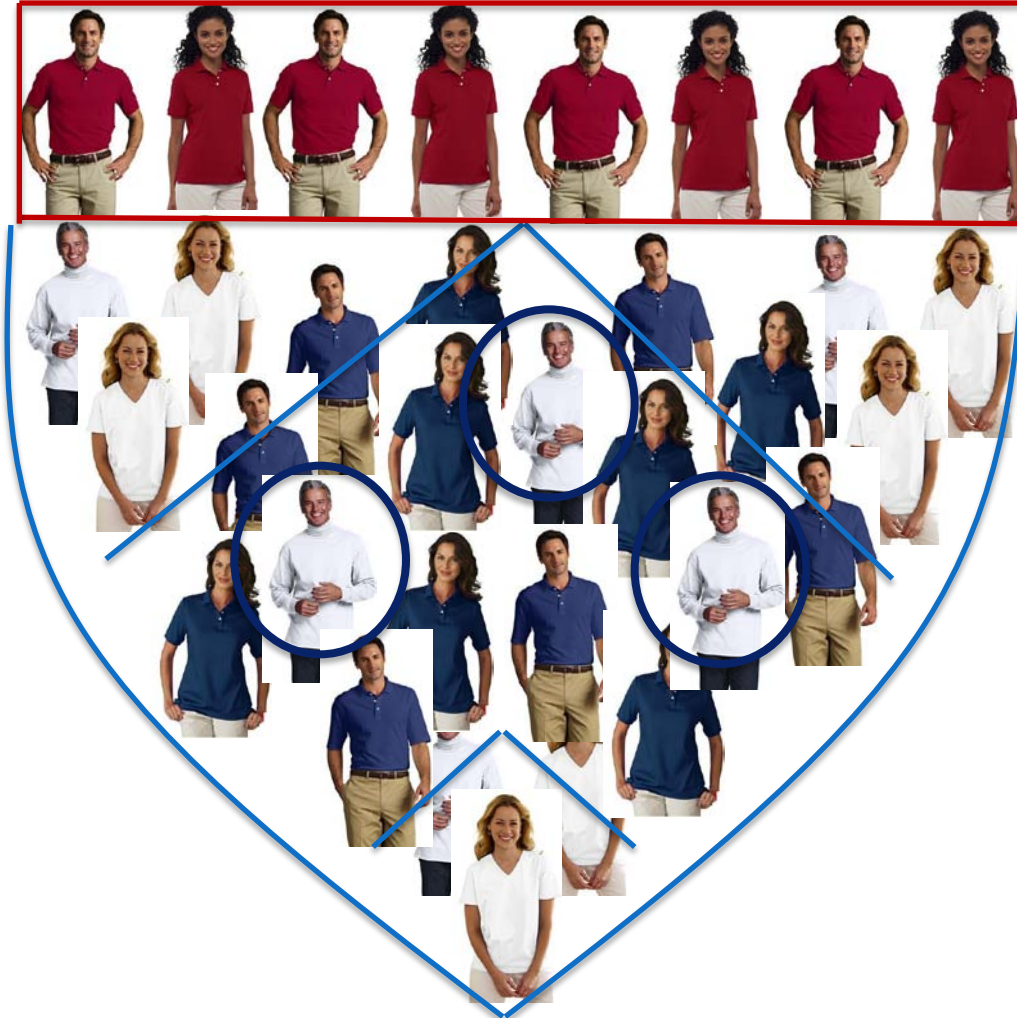
Print less

Leave your car at home

Report problems

Learn sustainability

TEAMWORK



Over 20,000
faculty and
staff



CONTACT

Feel free to contact us with any:

- **Questions**
- **Concerns**
- **Stories**
- **Suggestions**
- **Ideas**

sustainability@upenn.edu