

Environmental Walking Tour of Carnegie Mellon



STEINBRENNER INSTITUTE
Carnegie Mellon.



Printed on 100% recycled paper using soy based inks.

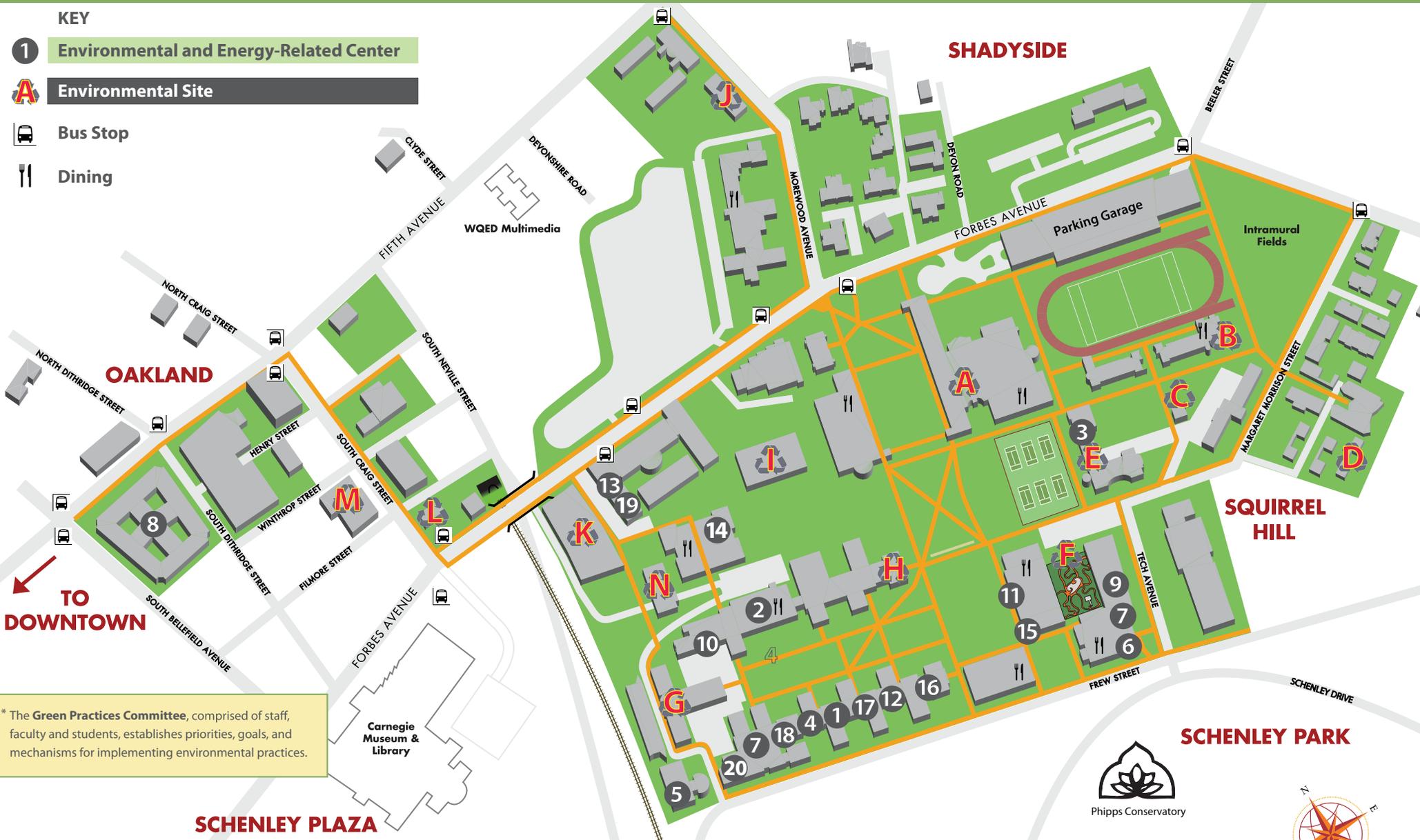
KEY

1 Environmental and Energy-Related Center

A Environmental Site

Bus Stop

Dining



TO DOWNTOWN

* The Green Practices Committee, comprised of staff, faculty and students, establishes priorities, goals, and mechanisms for implementing environmental practices.

SCHENLEY PLAZA



Phipps Conservatory

SCHENLEY PARK



For more information on environmental activities at Carnegie Mellon, please see www.cmu.edu/environment.

ENVIRONMENTAL WALKING TOUR SITES

A) University Center Recycling “Green” Room

The University Center Recycling Education Center, or ‘Green Room’, was completed in 2002 by campus design students. It is a resource room for environmental information, awards received and inspiration to recycle in the university’s extensive recycling program.

B) Carnegie Café at Resnik

This LEED Commercial Interiors renovation completed in 2006, uses sustainable design principles, products and lighting.

C) Solar House

Built by students in 2005 for a DOE sponsored Solar Decathlon competition in Washington DC, this 800 sq ft zero-energy structure is a meeting space for campus groups.

D) Henderson House

The reconstruction of this dormitory earned a LEED Silver certification in 2004.

E) Intelligent Workplace, MMCH 4th Floor

The Robert L. Preger Intelligent Workplace™ was a collaborative effort between industry, government and the university in 1997. The IW demonstrates the economic feasibility to maximize energy and environmental effectiveness.

F) Posner Center Green Roof - Kraus Campo

This building, LEED Certified in 2005, has a sculpture garden roof that is intended to both insulate the building and minimize storm water run-off.

G) Hamerschlag Green Roof

This student inspired living roof was completed in 2005. It is an on-going research project that compares the performance of a green roof to a conventional roof by measuring parameters such as the ambient temperature versus the indoor temperature and the amount of storm water runoff during a rain event.

H) Doherty Hall Laboratories

Doherty Hall Laboratories is a Labs 21 and LEED Registered project. The design incorporates a green roof and water feature using water from a building downspout, (view from the Purnell Center overlook). Doherty Hall is using a green roof tray system, (view from Mall). Other green roof tray systems are being used on Porter Hall and Mellon Institute.

I) Gates Center for Computer Science and the Hillman Center for Future Generation Technologies

The Gates Center opened in 2009 and was partially funded by the Bill and Melinda Gates Foundation and the Henry L. Hillman Foundation. The building has been designed to qualify for a LEED-Gold rating.

J) Stever House (New House) Dormitory

Opened in 2003, this was the first ‘green dormitory’ in the U.S. and the first LEED Silver rated resident hall. This 260 bed freshman resident hall was built with sustainable materials, improved ventilation and day lighting.

K) Collaborative Innovation Center

The Collaborative Innovation Center received a LEED-CS gold rating (Core and Shell Version) in 2005. This 136,000 sq ft building collects rain water for its grey water system for use in the sanitary system and also utilizes low flow faucet technology.

L) 407 South Craig Street

The computers here are powered by the largest array of solar panels in Pittsburgh. Installed in 2005, the 112 panels run 81 computers and help to save 31,600 pounds of green house gases annually. The building achieved LEED Silver rating in 2007.

M) 300 South Craig Street LEED Silver Renovation

This building achieved a LEED Silver renovation rating in 2007.

N) Facilities Management

Facilities Management Services supports Green Practices throughout its operations and maintenance of the campus. The central chiller plant is among the most efficient cooling sources in Western PA. Collected recycled materials from the university are gathered here for transport to local recyclers.

ENVIRONMENTAL & ENERGY-RELATED CENTERS (see www.cmu.edu/steinbrenner)

1) Advancement of Applied Ethics and Political Philosophy

2) Atmospheric Particle Studies

3) Building Performance & Diagnostics

4) Climate & Energy Decision Making

5) Design Decisions Laboratory

6) Electricity Industry

7) Green Design Institute

8) Green Science Institute

9) International Corporate Responsibility

10) Iron and Steelmaking

11) Remaking Cities Institute

12) Risk Perception and Communication

13) Sensed Critical Infrastructure

14) Living Environments Lab

15) STUDIO for Creative Inquiry

16) Study and Improvement of Regulation

17) Sustainable Engineering

18) Water Quality in Urban Environmental Systems

19) Western Pennsylvania Brownfields Center

20) Environmental Implications of Nanotechnology