GUIDED MAPS OF SUSTAINABILITY INITIATIVES AT TEMPLE UNIVERSITY



CHERRY GOES GREEN A HIGHLIGHTED TOUR



Office of Sustainability

The Office of Sustainability opened in July 2008 and was created to lead the university's efforts to foster a culture of sustainability throughout Temple University.



Temple hosts two stations as part of Philadelphia's city-owned bicycle-sharing program, Indego. The program offers over 400 bikes at more than 60 locations around Philadelphia.



There are three solar charging stations on Temple's Main Campus. Each station (table) is equipped with 4 standard outlets, 2 usb ports and a battery-storage system to allow you to plug in at any time of day.

Edberg-Olson

Temple entered into a solar project partnership with Community Energy Inc., a clean energy company, to install a 4,500 SF, 63-kilowatt solar array on the southfacing roof. The project is the first of its kind at a college or university within the city of Philadelphia. The system is owned and operated by Community Energy Inc.



Temple has six bike repair stations located around Main Campus. Each station includes all the tools necessary to perform basic bike repairs and maintenance, from changing a flot to adjusting brakes and derailleurs.

Architecture Building

This LEED Silver Certified building includes a 9,251sf green roof which is visible from the fourth floor. The green roof makes up 67% of the entire roof surface and helps with stormwater management.



The Tiny House is a student designed and student constructed sustainable building located at Temple Community Garden. The 175 SF structure features a high performance thermal envelope construction, vegetated roof, rainwater harvesting, solar system and a thermal energy collection system.

8 J&H Electric Car Charging Station

Temple has two, publicly accessible electric car charging stations located in front of Johnson and Hardwick Hall.



The CRC, an EPA Award Winner, is an assembly line operation in which surplus electronic equipment is evaluated and either refurbished or properly recycled. Refurbished equipment is made available for purchase to current staff, faculty and students via a webstore. crc.temple.edu

Rad Dish Cafe

The Rad Dish Café is a student-operated sustainable food cafe. The cafe opened in February 2015, and is dedicated to selling exclusively local, organic and delicious food to the Temple community.



POSITIVE ENERGY BUILDINGS AND ENERGY



Architecture Building

LEED Silver Certified in 2014, this green building features a green roof; water efficient fixtures; modular design, which reduced waste generated on site; and, the use of recycled materials in the structure and interior furniture pieces.



The Montgomery Avenue Parking Garage become LEED Silver Certified in June 2015. The building features preferred parking to low-emitting and fuel efficient vehicles and a state-of-the-art commuter lounge.



Mitchell and Hilarie Morgan Hall

LEED certified in March 2016, Morgan Hall serves as a sustainable gateway to campus. The green building reduces energy consumption through features like the automatic lighting controls, low-e, fritted glass, and high albedo roof and paving.

Science Education and Research Center

Temple's first LEED Gold Certified building, SERC's green features include: water efficient landscaping: innovative wastewater technologies; daylighting features, such as the exterior louvers and automated sunshades, to reduce heating and air conditioning costs.



LEED Gold certified in May 2016, the classroom renovations maximized the benefits of sunlight by using glass interior partitions. Wachman's renovated Backup Data Center won the "Less Watts" Award for replacing nine computer room air conditioning units with more efficient models.

Solar Arrays

Edberg-Olson: 4,500sf, 63kW array installed through a solar project partnership with Community Energy Inc., a local clean energy company

Tiny House: a small-scale, off-grid array



Philadelphia is situated along the Atlantic Flyway migration route and to help mitigate bird collisions with buildings, window film has been applied in problem areas. The Tuttleman-Paley connector bridge and Rad Dish Café used winning designs from a Tyler Graphic & Interactive Design student competition.



Solar charging tables are equipped with power outlets and USB ports that allow users to charge their electronic devices. The solar panels store enough electricity to power the outlets, as well as LED lights that illuminate the table area overnight.



Pearson and McGonigle's Fitness Mezzanine is equipped with 12 cardio machines that harnesses the kinetic energy the machines generates by sending the power back into the building grid.



Hybrid Lights

In a campus application of faculty research, the College of Engineering tested LED street lights powered by conventional electricity as well as solar and wind power. When compared to conventional lights, the hybrid lights are much brighter, have a longer life span and are more cost-efficient.



FROM HERE TO THERE TRANSPORTATION



to

Bike Temple (Office of Sustainability)

Bike Temple (bike.temple.edu) is a university-wide program to promote bicycle use by Temple students, faculty and staff. Bike Temple hosts a number of educational programs and events throughout the year. Bike Temple also established Temple Secondhand Cycles as a way to provide low cost bikes to Temple University students.



Bike Repair Stations

Temple has six bike repair stations located around Main Campus. Each station includes all the tools necessary to perform basic bike repairs and maintenance, from changing a flat to adjusting brakes and derailleurs.



Bike Share Stations

Temple hosts two stations as part of Philadelphia's city-owned bicycle-sharing program, Indego (www.rideindego.com). The program offers 400-plus bikes at more than 60 locations around Philadelphia. There is also a nearby station located at the Fresh Grocer.



Bike Trailer

The bike trailer on Main Campus is a convenient location for bikes that need a professional tune-up. Thanks to a partnership with Breakaway Bikes, Temple University has a dedicated bicycle maintenance trailer, staffed by a skilled mechanic.



For bicycle commuters who log some more impressive miles in the morning, there are facilities on Main Campus to get a hot shower.



Transportation

From bus to rail, SEPTA makes getting around without a car easy. Temple also offers the University Pass, a 10% discounted semester long SEPTA transit pass that is available to full-time students.

For full schedules and bus stops locations, visit septa.com





Subway

Campus Shuttles

On demand evening shuttles (FLIGHT) transport the Temple Community around Main Campus to TheirLE offIVCampus residences. There is also shuttle service between campuses.



You don't need a car on campus to get around the city. Enterprise CarShare and ZipCar offer a number of cars available on, or within walking distance, of Main Campus and discounts are available to the Temple community



Temple has two, publicly accessible electric car charging stations located in front of Johnson and Hardwick Hall.



REDUCE, REUSE, RECYCLE WASTE MINIMIZATION



Recycling

Temple divides its recycling materials into three categories: core materials, secondary materials and special materials. Core materials include mixed paper, cardboard, aluminum/metal cans, glass and plastic #1-7. Secondary materials are primarily organic waste. Special materials encompass a broad range of items from recycled electronics to chemical waste. Temple also recycles waste material from new construction activities.



Single-Stream Materials

Core materials including: aluminum/ metal cans (soda, tuna, soup, etc.), plastic containers #1-7, glass bottles (all colors) and paper (cardboard, boxboard, paperboard, paper bags, newspaper, magazines, copy paper, glossy paper) can be recycled in the single-stream (blue or white) indoor and outdoor recycling receptacles.



Plastic Bags

Clean plastic bags #2 and #4 can be recycled at various locations on campus.

Composting

Pre- and post-consumer food waste from J&H and preconsumer food waste from HGSC and Morgan Hall dining facilities is composted.



Going trayless is an easy way to conserve food, energy and water. Trayless dining is offered at J&H and Morgan Hall dining facilities. Computer Recycling Center (CRC)

The CRC, an EPA Award Winner, is an assembly line operation in which surplus electronic equipment is evaluated and either refurbished or properly recycled. Refurbished equipment is made available for purchase to current staff, faculty and students via a webstore at crc.temple.edu.

Temple Office Supply Swap (TOSS)

TOSS, a partnership between the CRC and the Office of Sustainability, collects surplus office and school supplies and makes them available at no cost to other departments and students on campus. TOSS is located just outside of the Office of Sustainability.

Temple Surplus

Temple Surplus serves as a clearinghouse of all types of equipment, such as furniture and lab equipment. The program aims to repurpose material within the university by creating a convenient reuse platform. If it is not needed for internal purposes, the items are made available to the public via auctions and donations.



Since 2011, over 100 water bottle filling stations have been installed throughout Temple campus buildings, providing cool, filtered water to the Temple community.



Receive discounts on coffee at the Rad Dish Café and Saxby's on Main Campus for using a reusable mug.



OWL WATER STORMWATER MANAGEMENT



RAIN WATER

About Stormwater

Pervious surfaces allow stormwater to filter naturally through the soil below and help with water quality. The following are example of pervious surfaces on Temple's Main Campus:



Architecture Building

This LEED Silver Certified building includes a 9,251sf green roof which is visible from the fourth floor. The green roof makes up 67% of the entire roof surface.



Edberg-Olson's artificial turf field has a drainage system consisting of perforated pipes and stone, which functions as a subsurface infiltration system.

The artificial turf field has a drainage system consisting of perforated pipes and stone, which functions as a subsurface detention system.

Geasev Field

Pervious pavement has been installed along portions of Liacouras Walk and Polett Walk.

Walks

Liacouras & Polett

6 Montgomery Garage

The Montgomery Garage has a subsurface infiltration system consisting of perforated pipes and stone which manages a surface area of 78,020 sf.



This LEED certified building has tree plantings, a 20,000 gallon cistern, and a subsurface infiltration system all which manage a stormwater area of 93,575sf.

> Science Education and Research Center

This LEED Gold Certified building has pervious pavement, a 15,000 gallon cistern, two biorefention greas, a subsurface infiltration system, a subsurface detention system and tree trenches that manage approximately 50,000sf of stormwater area.



Tyler has two subsurface infiltration systems that manage the new roof, concrete entrance and walkway area of 105,769 sf.



LOCAL HARVEST FOOD & URBAN GARDENING



Cherry Pantry

Located in Howard Gittis Student Center Room224A, Cherry Pantry's mission is to combat hunger in the Temple community by supplying nutritious emergency food while providing equal treatment to all who visit the pantry.

studentaffairs.temple.edu/cherry-pantry

Edible Landscaping

Located just outside of the Rad Dish Cafe and managed by Temple Community Garden, the edible landscaping student project is an example of how to create access to fresh food in an urban environment.

Rad Dish Cafe

The Rad Dish Café is a student-operated sustainable food cafe. The cafe opened in February 2015, and is dedicated to selling exclusively local, organic and delicious food to the Temple community.



The Sonia Sanchez Garden is a perennial garden maintained by Temple Community Garden.

3 Farmer's Market

Temple and the Food Trust of Philadelphia host a farmer's market at Cecil B. Moore Ave. and Park Walk every Thursday from 2pm to 6pm from mid-May through mid-November, Fresh, local seasonal produce and baked goods can be purchased and EBT/ ACCESS Cards and Senior/WIC Farmers' Market Nutrition Program Vouchers are accepted.



6 Temple Community Garden

Temple Community Garden (TCG) is an organization run by Temple students that have a drive to become more involved in the Philadelphia community by contributing time to local gardens and maintaining a vegetable garden on Temple's Main Campus.

7 1940 Residence Hall Community Garden

Residents of 1940 maintain a community pollinator and vegetable garden. The garden was built by students as part of the Sustainability Living and Learning Community.



sustainability.temple.edu



Temple University Office of Sustainability



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