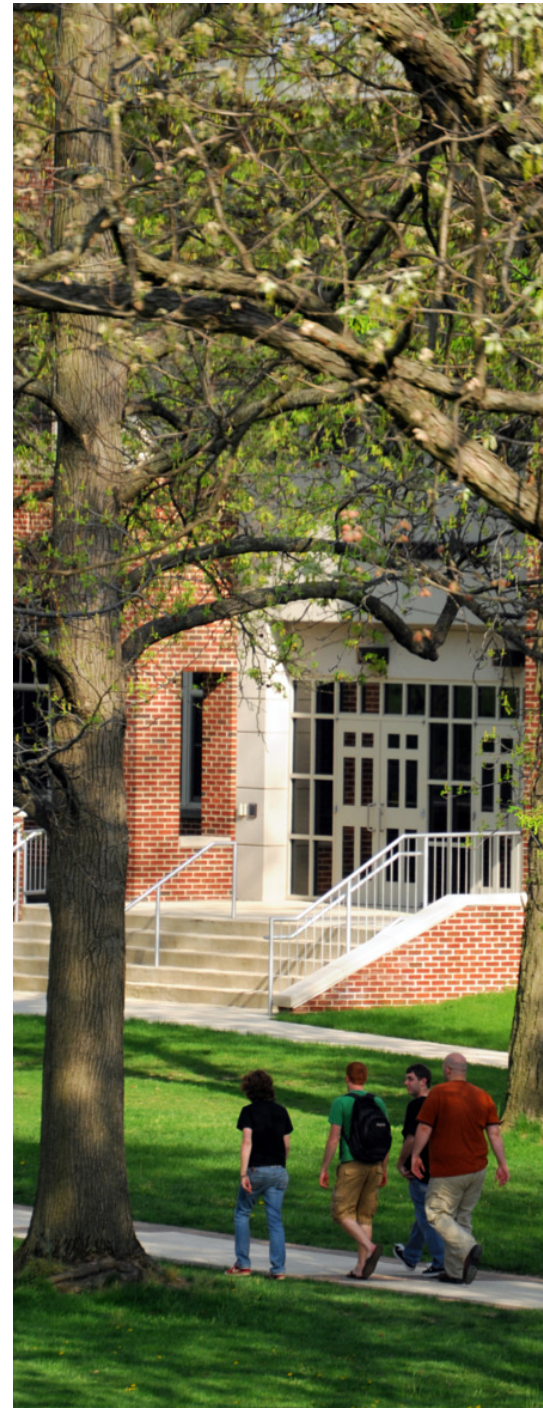


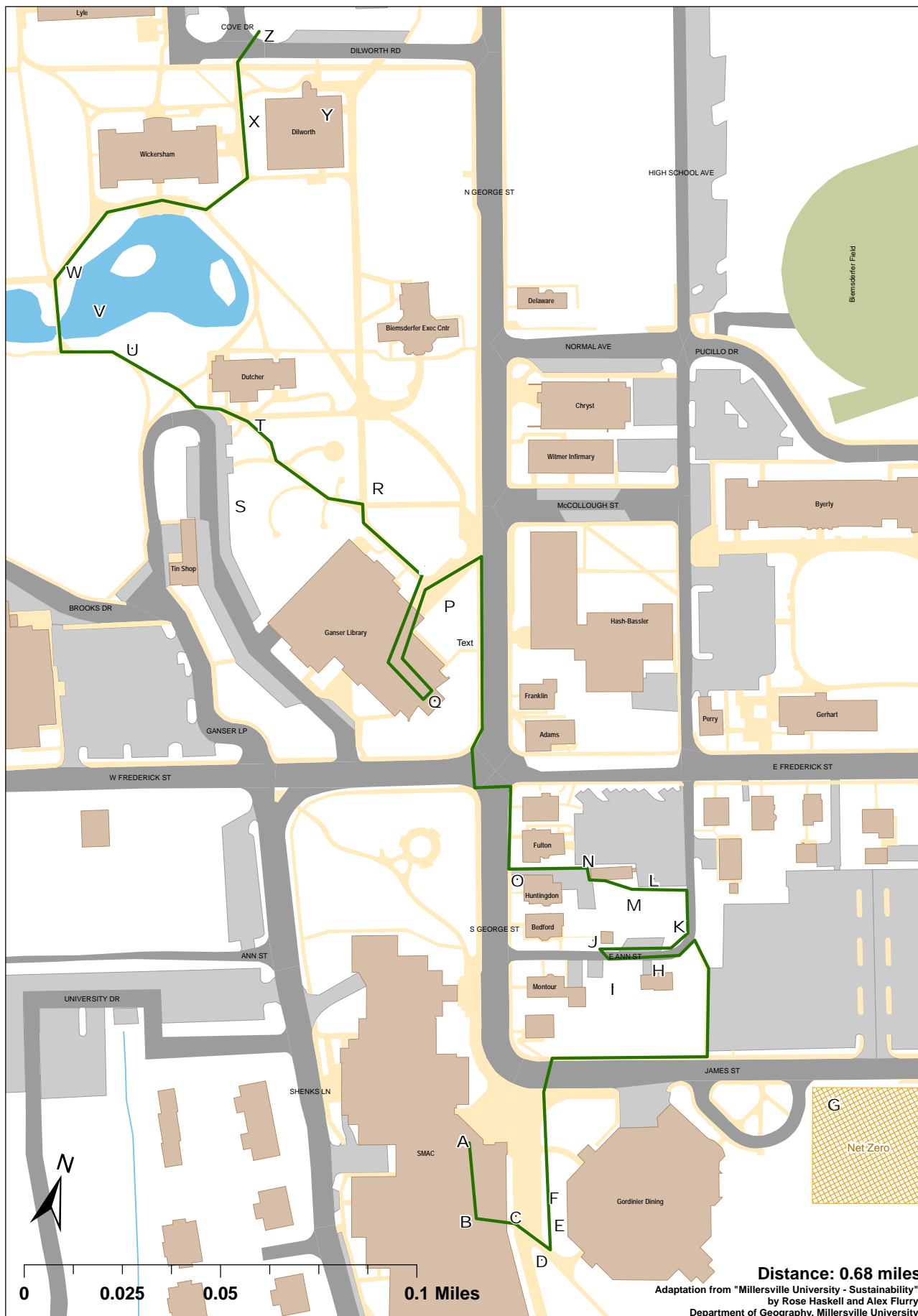
MU Campus Sustainability Walking Tour

A self-guided walking tour of
select sustainable features
on Millersville University's campus.

April 2016



Millersville University Sustainability Walking Tour



Distance: 0.68 miles

Adaptation from "Millersville University - Sustainability"
by Rose Haskell and Alex Flurry
Department of Geography, Millersville University

The Sustainability Walking Tour begins in the Student Memorial Center (SMC) Atrium. The SMC Atrium features natural light sensors (A) that lower light levels when natural light is available.



Walk to the left of the SMC HelpDesk, down the hall toward the Fitness Center

On the wall to your right is a water bottle refilling station (B), which encourages faculty, staff and students to fill reusable water bottles with MU's naturally-filtered water from our underground aquifer.



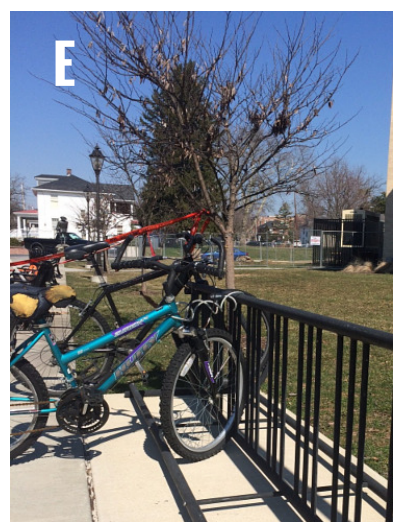
Walk outside using the doors adjacent to the SMC Fitness Center

As you exit the SMC, notice the recycling bins (C), which help MU divert waste from the landfill. Currently, 40 percent of MU's waste is diverted from landfills through recycling and composting.

Across the sidewalk, a solar-powered emergency phone (D) is a small example of how MU can use electricity without burning fossil fuels.

Heading up the sidewalk toward George Street, a bike rack (E) is one of several on campus that provide safe locations to store a bike while attending class, work and campus activities.

The bike repair station (F) is one of two on campus just in case you have a flat or other minor issue that needs to be repaired while on campus.





Walk across George/James Street using the crosswalk and head east down James Street. As you do, look right (southeast) down and across James Street. This is the site of the future Lombardo Welcome Center.

The Lombardo Welcome Center (G) will be an admissions and educational center for the university and community. A certified net zero energy building, the roof will have solar panels that will generate enough energy to meet the building's demand. Passive building design will ensure that the building's energy demands are significantly lower than other campus buildings.



Take a left on the walking path adjacent to the James Street parking lot. Take another left west on Anne Street along the Cambria House.

The Global Electric Motorcar (GEM) may be parked in the driveway of the Cambria House. The GEM (H) is an electric vehicle owned and used by Dining and Conference Services.

On the side of the Cambria House is a rain garden (I). A rain garden is an example of "green infrastructure." Unlike gray infrastructure (think pipes and water treatment systems), green infrastructure reduces and treats stormwater at its source by using plants and soils to absorb and filter stormwater.

Trees of Distinction



Millersville has 21 "Trees of Distinction" originally identified by Dr. Patrick J. Cooney and commissioned by Dr. Christopher R. Hardy. They define Trees of Distinction as those that are either especially large, unique, or otherwise especially noteworthy such that their loss would have a noticeable negative impact on the aesthetics and educational value of the campus. Several Trees of Distinction are profiled along the remainder of the Campus Sustainability Tour.



On the side of Anne Street opposite the rain garden sits the first Tree of Distinction on the Sustainability Tour - a pair of London planes (**J**), each one a large yet elegant tree of distinction in its own right, but together much more.



Take a U-turn heading east (back the way you came) on Anne Street.

Along the bend in the path, the second Tree of Distinction, a grove of black walnuts (**K**) whose fruits are used as a dye source and whose seeds are edible.



On your left are raised bed vegetable gardens and a white shed. Walk toward them through the driveway behind the Huntingdon House.

The TerraCycle shed (**L**) stores recyclable materials such as energy bar wrappers and Brita filters. Millersville's Center for Sustainability collects these products and sends them to TerraCycle. TerraCycle pays a small amount for the materials, which Millersville sends to SmileTrain to pay for cleft lip and palate surgery.

Millersville's "Ville-age Garden" is a set of raised-bed, organic vegetable gardens (**M**) managed by the Center for Sustainability and maintained primarily by Millersville students. Compost bins (**N**) behind the TerraCycle shed are used to compost food waste and leaves for use in the gardens.

The Center for Sustainability directed by Dr. Nadine Garner is located in the Huntingdon House (**O**).





Walk through the driveway along the right-side of Huntingdon House toward George Street. Turn right, cross George Street and head toward the library entrance.

The Francine G. McNairy Library and Education Forum entrance features recycle bins and bike racks (P).



Head inside the library. Once in the main lobby turn left, pass the coffee shop and into the John S. Maine Atrium.

The wall on the left as you walk into the John S. Maine Atrium (Q) has recycle and waste bins as well as a smart thermostat and daylight sensor.



As you leave the library, take an immediate left down the sidewalk and another left into the Luceille Hagarman Reading and Sculpture Garden.

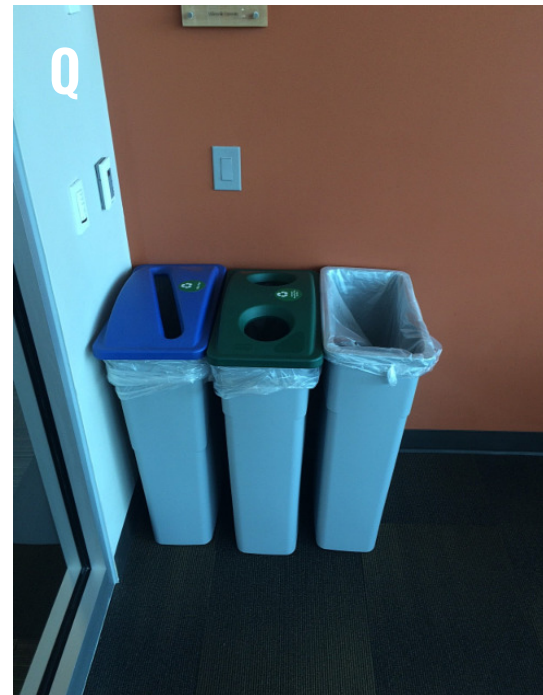
The Luceille Hagarman Reading and Sculpture Garden (R) features 82 plant species that are native to Pennsylvania. Best viewed from above, the garden's winding, branching path, is a stylized depiction of plant phylogeny representing PA's major plant groups.

Source: <http://herbarium.millersville.edu/parksia/parksia-2016-005-001-010-moyer.pdf>



As you walk through the Sculpture Garden, look left into the parking lot to spot electric vehicle charging stations.

Electric vehicle charging stations (S) allow electric vehicles (which produce fewer greenhouse gas emissions than conventional gasoline vehicles) to charge on campus.





Turn right toward Dutcher Hall along the last branch of the Sculpture Garden.

The Saucer Magnolia (**T**) outside Dutcher Hall sprouts thousands of pink and white petals each spring.



Walk down (west) the path toward the pond and across the bridge.

The Sycamore American Plane (**U**) just before the bridge is the tallest tree on campus. Height: 114 ft. Age: 120 - 150 yrs



As you cross the bridge, notice the air bubbling to the surface in several pond locations. These bubbles help aerate the water increasing the amount of dissolved oxygen and greatly increasing pond health. The pond (**V**) is a certified wildlife habitat as denoted by the National Wildlife Federation.

On the other side of the bridge, notice the Japanese Flowering Cherry trees (**W**). These Joseph M. Sheaffer Memorial Trees were gifted to the University by his daughter, MU Professor of English, Dr. M.P.A. Sheaffer, and the Government of Japan on 7 April 1977.



After crossing the bridge, head west along the path behind Wickersham Hall. Continue up the steps and along the path between Wickersham Hall and the Dilworth Building.

The final Tree of Distinction on the tour is a Ginkgo (**X**). Truly a living fossil from the Age of Reptiles, ginkgo was once thought to be extinct and has a fossil record spanning nearly 270 million years.



T



U



V



W



X





Y

The Dilworth Building houses Millersville's Office of Sustainability (Y) and Millersville's Sustainability Manager, Chris Steuer. Stop in anytime to discuss sustainability-related ideas and expectations for the University.



Cross Dilworth Road to end at the Trolley Stop located at the corner of Cove Drive and Dilworth Road.



Z

Millersville's trolley (Z) moves several thousand faculty, staff and students around campus each year. Cutting down on traffic and the University's greenhouse gas emissions while providing a fun and attractive way to move about campus. The trolley is part of a larger campus transit system provided by Red Rose Transit that connects Millersville to downtown Lancaster and surrounding locations. If your feet are tired, hop aboard to catch a ride back to the Student Memorial Center.

Information on Millersville University's Trees of Distinction provided by Hardy CR. 2014. Millersville University's trees of distinction. A Product of the James C. Parks Herbarium, Biology Department, Millersville University of Pennsylvania. Available on the Web at <http://www.wikiplantatlas.org/trees/>

Special thanks to Dr. Ethan Frost and geography students, Rose Haskell and Alex Flurry, for preparing the sustainability tour map.

Millersville University's Campus Sustainability Tour was produced through a collaboration between Millersville University's Employee Wellness Committee, the Department of Geography and the Office of Sustainability.



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