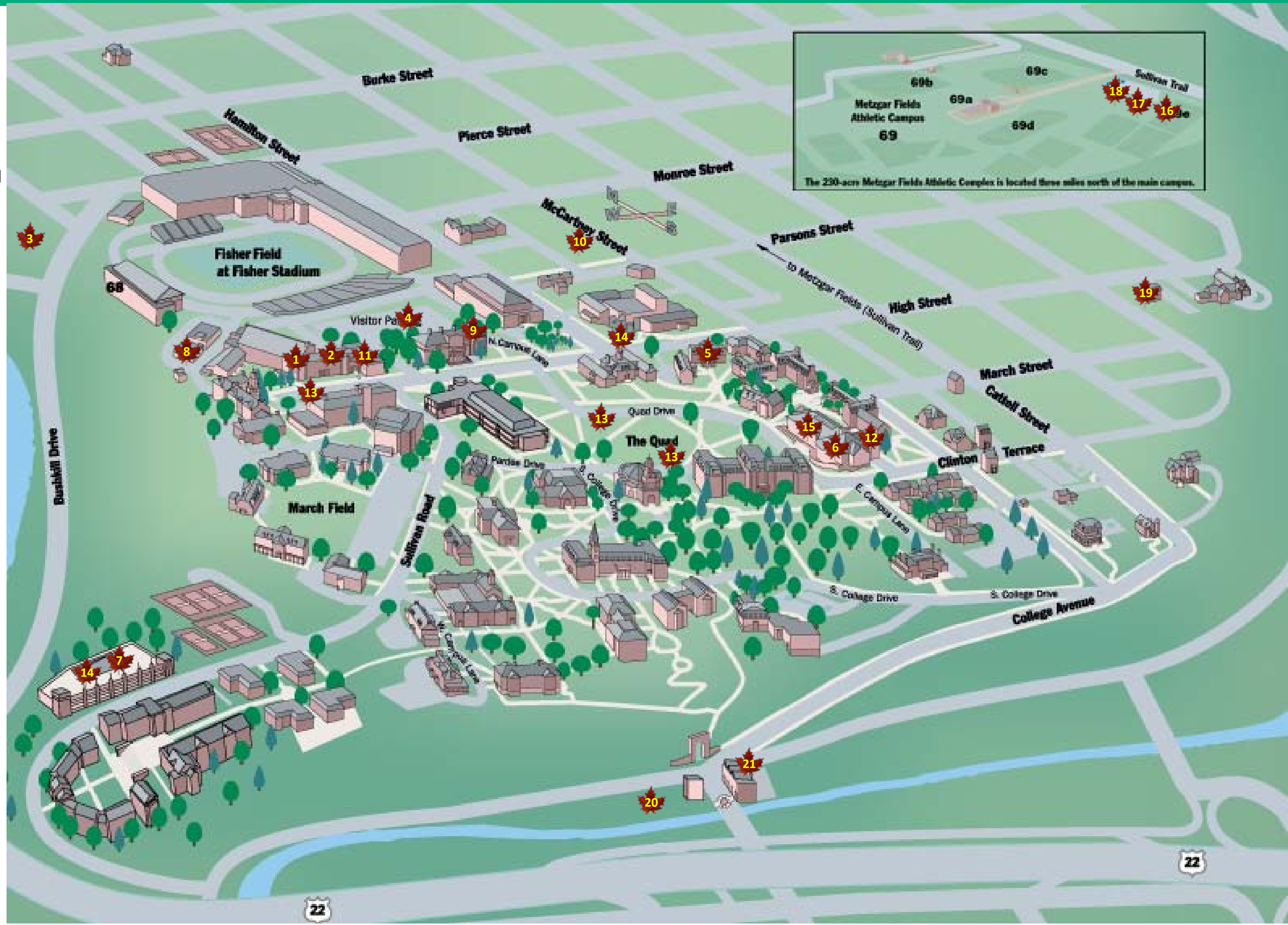


# Sustainability Tour

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# Sustainability Tour

- 1 Green Roof @ Acopian**  
A vegetated roof has been installed on a portion of Acopian Engineering Center. A green roof not only looks great, but also has many environmental advantages. The roof prolongs the life of the roof system, slows the rate of storm water runoff, removes impurities in the storm water runoff, reduces the heat island effect (localized raised temperatures), and insulates the space below the roof.
- 2 Solar Array @ Acopian**  
An array of photovoltaic solar panels was installed on the roof of the Acopian Engineering Center. Data from these panels is collected and analyzed by Lafayette College students as part of an Electrical Engineering Department course.
- 3 Earth Tubs @ Hummel**  
Earth Tubs were installed at Hummel (Bushkill Commons). The Earth Tub is designed specifically for on-site composting of food-waste. The Earth Tub is a fully enclosed composting vessel featuring power mixing, compost aeration, and biofiltration of all process air. Nearly 100 percent of food waste through the composted end-product is utilized by the Grounds Department for campus landscaping, and composting has been added to the Environmental Science curriculum.
- 4 Electric Car Plugs @ Markle**  
Two electric outlets have been installed to accommodate the campus community's electric vehicles.
- 5 Grossman House – LEED-CI Gold**  
This building is registered with US Green Building Council for the certification goal of LEED Gold. Grey water retention cistern was installed. Recycled and recyclable materials are used throughout, as well as high efficiency lighting, fixtures and equipment. Additionally, a dashboard provides real time energy read outs which monitors the building energy usage. The landscaping has been planned using plants, shrubs and flowers indigenous to the area.
- 6 Dining Services**  
Lafayette College does not use Styrofoam cups in student dining halls. There is trayless service and a vegan dining station. A portion of food is purchased from four area farms. Currently, 80 percent of cleaning products are purchased from a "Green Seal" supplier, utilizing 100 percent green cleaning chemicals. The goal is for 100 percent of waste stream from main dining facilities (Marquis and Farinon) to be composted and reused by the College and community.
- 7 Car Share**  
The environmentally-conscious alternative, U-Haul Car Share provides students, faculty and staff with cars that fit their needs. U-Haul Car Share pays for insurance and gas, takes care of all maintenance, and there's no paperwork to sign. A Scion XB and a Honda Civic Hybrid, which are parked in the Sullivan parking deck are available for on-line reservations.
- 8 Sustainability Office**  
The Sustainability and Environmental Planning Department's mission is to provide assistance and leadership in support of Lafayette College's strategic sustainability goals. This includes implementation of sustainable actions, policies, and dialogue, as well as educating the campus community about the status of projects and plans for future initiatives.

- 9 President's Office**  
Lafayette College is the only school in the Lehigh Valley that signed the Presidents Climate Commitment. "Campuses that address the climate challenge by reducing global warming emissions and by integrating sustainability into their curriculum will better serve their students and meet their mandate to help create a thriving ethical and civil society." — *President Daniel Weiss, Signatory of the Presidents Climate Commitment (January 2008)*
- 10 Purchasing Department**  
Office Depot is the main supplier of office products. Office Depot Greener Office Delivery Service uses tote bags, rather than boxes, in the packaging and shipping of products weighing less than 20 pounds. The bags are lighter and use less wood fiber, and can be recycled in the blue bins across campus or taken home for personal use. Currently, the College's Office Depot purchases comprise approximately 44 percent of such eco-friendly products, which include items such as paper, hanging and standard file folders, ink and toner cartridges, self-stick notes, pens, binders and accessories.
- 11 Environmental Studies**  
Recognizing that the study of the environment transcends the realm of the natural sciences, the mission of the Environmental Studies Program is to provide students with: 1) the capacity to understand the scientific, social, economic, ethical, and political dimensions of environmental system; 2) the opportunities to explore the environment through the creative imagination as inspired by the literary, visual, and performing arts; and, 3) the ability to influence environmental policy decisions and social change.
- 12 Green Move Out**  
This campus-wide sustainability and community service effort urges students to recycle their unused or gently used goods by donating them to local organizations via Green Move Out. Items collected in 2012 (in estimated lbs) = 10,620 lbs. Charitable organizations items went to-Easton Area Neighborhood Center, Center for Animal Health and Welfare, American Family Services, Third Street Alliance, Safe Harbor, Easton Area Community Center, Easton Library, and Big Brothers/Big Sisters of the Lehigh Valley.
- 13 Anderson Courtyard, Quad, Pardee Walkway**  
As part of the Campus Master Plan to eliminate roadways, restore native plantings and reduce the amount of turf, these former roadways were removed and transformed into Anderson Courtyard, increased Quad green space and the Pardee Walkway. Landscaping was completed using indigenous plantings and a network of enhanced pathways using local materials such as brick and Pennsylvania bluestones.
- 14 Transportation**  
The College has introduced hybrid vehicles into its fleet, offers enhanced shuttle service and is investigating bio-diesel shuttle fleet. A pilot program with an electric car charging station is underway. Those who travel by foot find safer, improved, paths and the College encourages bicycling by providing additional paths and racks and a bike rack campus map.

- 15 College Store**  
The store only provides customers with recycled plastic bags to carry out their purchases of the day. The store also carries classroom essentials comprised of recycled materials.
- 16 LaFarm @ Meztgar**  
Our mission is to cultivate fresh and local food, environmental interaction, and the health of the Lafayette community through the development and academic integration of a sustainable food system for the College. We do this by applying sustainable farming practices and by understanding the Garden as a site for teaching, research, and community building for the College and greater Lehigh Valley region. Our long-term goals are to provide healthy food to the community, to nurture multidisciplinary student engagement through classroom participation and academic research, and to foster an understanding of the critical role of food in environmental stewardship.
- 17 Wind Turbine @ Meztgar**  
A wind turbine (1.2 kw) was installed at Meztgar Athletic Fields in May 2011. This wind turbine generates power when wind blows against the vertical airfoils, causing them to spin. This power is then converted to AC electricity and is immediately available to provide energy. The stronger the wind, the more power it will generate.
- 18 Solar Array @ Meztgar**  
At the 2009 Sustainable Energy Conference held on July 27–August 1, the Sustainable Energy Fund gave Lafayette College a \$15,000 grant to fund the construction and installation of the College's second solar array, a 3-kilowatt panel installed at Meztgar Fields Athletic Complex. The solar array is being used to power equipment for the College's composting and community gardens project at Meztgar.
- 19 TREEhouse (The Real Environmental Experience house)**  
TREEhouse is an experiential community with a focus on sustainability. Members of TREEhouse are dedicated to developing, testing, and improving sustainable life choices in a community united by a commitment to those ideas. Living in an off-campus residential house, residents will explore and implement innovative ways to reduce their resource use through behavior and technology. TREEhouse will connect an interdisciplinary community of students dedicated to learning about energy and the environment, educating others, and continually striving for greater levels of sustainability.
- 20 Bushkill Creek Monitoring**  
Runoff from campus drains to Bushkill Creek, a high quality trout stream. Faculty and students from a variety of departments (Civil & Environmental Engineering, Geology & Environmental Geosciences, Biology) routinely monitor water quality, aquatic biota, and flow in the stream in collaboration with the Bushkill Stream Conservancy. Students have also studied the possible impacts of dam removal on the stream hydrology and ecology.
- 21 Karl Stirner Arts Trail**  
The Karl Stirner Arts Trail is a 2.5-mile path named after Easton sculptor Karl Stimer. The Trail (formerly the Bushkill Trail) located in Easton is a 2.5 mile trail that winds along the Bushkill Creek. It connects the downtown, College Hill and West Ward neighborhoods to Third Street at the base of the stone stairs leading up to Lafayette College.