



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

University of Baltimore



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Higher Education
Member since July 2009

Management and Leadership

Environmental Policy Statement

The University of Baltimore (UB) has committed to make concerted progress in areas related to the environment including the reduction of energy, promoting alternative transportation, and capitalizing on the university's urban location close to transit and existing infrastructure and businesses. All new buildings will achieve a minimum of LEED Silver and the university is working toward a "culture of sustainability" on campus. Goal 5.3 from UB's Strategic Plan states:

"Achieve distinction for urban environmental sustainability in programmatic offerings and campus practices."

UB also adopted its Climate Action Plan in 2009 and is a signatory of American College and University Presidents' Climate Commitment.

Environmental Team

Administration and Finance work together and all efforts are coordinated by the Project and Sustainability Coordinator.

Annual Environmental Goals

30% GHG reduction by 2015 using a 2007/2008 base year. We achieved 24% by 2012, but have added a building to the campus in 2014, which will add significant square footage to heat and cool.

Environmentally Preferable Purchasing

We buy environmentally preferable products whenever it is practical. Some of the major items are paper with recycled content, re-manufactured toner cartridges, environmentally preferable cleaning products purchased from Fitch, and environmentally preferable trash bags and other items also from Fitch.

Almost 50% of the funds spent through procurement are for services of one kind or another. A large part of the balance is for the purchase of computers and computer peripherals where we buy Energy Star compliant products. Another large category is catering, where we require our caterers to offer environmentally preferable products like paper products with post consumer waste, reusable items where practical, and compostable items where they are available.

Environmental Restoration or Community Environmental Projects

We organize two volunteer tree planting trips per semester (one with Blue Water Baltimore and one with Chesapeake Bay Foundation.) Research in the Jones Falls by Professors Stan Kemp and Wolfe Pecher conduct research in Jones Falls watershed and Professor Elka Porter does research on the Chesapeake Bay.

The Jones Falls Research Project is a comprehensive ecological assessment of the Lower Jones Falls. Since the project's inception in summer 2009, specific research projects have included:

- examining effects of sewage and contaminated storm water leaks on water quality and stream life*
- characterizing water quality in the Lower Jones Falls*
- identifying contaminated sewer and storm water outfalls*
- characterizing and monitoring bacterial communities in the Jones Falls*
- characterizing the parasitic community of Jones Falls fish*
- comparing the biological communities of similarly sized streams in the Baltimore area to identify specific impacts on urban stream ecosystems.*

Waste

Recycling

*We have single stream recycling (paper/plastic/glass/aluminum/cardboard).
From January 2013 through December 2013, we recycled the following:*

- 22 tons of paper*
- 2.2 tons of plastic*
- 2.2 tons of aluminum*
- 7.7 tons of glass*
- 65.9 tons of cardboard*

Energy

Energy Efficiency

The following are highlights resulting from our Energy Systems Group performance contract:

Academic Center:

- Two air handlers in penthouse of AC*
- Six fan coil units serving racquet ball courts*
- Piping and ductwork insulation*
- Installation of HVAC controls*
- Provide air and water test and balance services for new equipment*

Learning Commons:

- Installation of one ton multi-stack chiller*
- Installation of one 240 ton BAC cooling tower*
- Insulation on new piping*
- Library*
- Installation of sensor switches on lights to minimize excessive burn*

Across campus:

- Energy efficient vending machines*

Transportation

Employee Commute

- Sale of \$39 Monthly MTA passes to students.*
- Pre-tax monthly MTA passes for faculty and staff*

- Zipcar promotions have led to over 200 UB Zipcar memberships since 2010
- Student monthly transit pass sales have increased from 787 in 2006 to 2266 in 2010, and to 2582 in 2013
- Preferred hybrid parking in garages
- Bike to Work Day
- Approximately 20 new bike spaces added to campus in last three years
- Transit/biking/walking/Zipcar options prominently displayed on website <http://www.ubalt.edu/about-ub/directions/transportation/>
- Increased number of faculty, , and students living near campus
- The opening of the Varsity-student housing with 323 beds adjacent to campus
- UB has walkscore of 91, currently the highest of all Universities in the State of Maryland

Water

Water Conservation

High flow fixtures have been replaced with low flow fixtures saving roughly \$16,000 annually.

Stormwater Management and Site Design

- *Green roofs have been installed on the Angelos Law Center which was built on a surface asphalt parking lot. Over 4 acres of surface parking now have buildings on them with storm water features.*
- *A green roof was installed on the Learning Commons building.*
- *Two of UB's six primary academic buildings have green roofs.*

Green Building

LEED Platinum (Angelos Law School) New Construction

In 2014, the 190,000 sf John and Frances Angelos Law Center was certified as LEED Platinum. The building is destined to be one of the greenest buildings in Baltimore and the metropolitan region. It features innovative air handling systems, the active capture of light and water that would otherwise go to waste and the use of recycled materials throughout the construction phase. In addition, the Law Center is an excellent example of Transit Oriented Development (TOD). It is located adjacent to Penn Station, America's 8th busiest train station, multiple bus lines, and situated in a pedestrian friendly location, reducing the number of single occupancy vehicle trips.

Environmental Certification Programs, Awards, and Other Activities

- ☑ *UB hosted the following environmental events:*
- *The Maryland Storm Water Summit*
 - *NACTO: Cities for Cycling*
 - *Transit Choices meetings*
 - *Author Mark Hertsgaard speaking about his book “Hot”*

UB organized and led the following activities and events:

- *How Smart Are You About Our Harbor? Symposium*
- *Jones Falls Trail rides*
- *Alternative spring break exposing the environmental problems with coal*
- *Four tree planting expeditions per year*
- *Tree planting on campus*
- *“Environmentalism in the Age of Big Companies” film Series*

UB Greenhouse Gas Inventory-CACP calculator v. 6.85 Results:

2012: 11769 eCO₂ (24.6% reduction from baseline)

2010: 13,293 eCO₂

2008: 15,623 eCO₂

Environmental Curriculum:

UB has created an Environmental Sustainability and Human Ecology major which currently has 45 students enrolled.

US EPA highlighted The Fitzgerald, a UB P3 project, for its smart growth characteristics:

<http://www.epa.gov/smartgrowth/pdf/economicsuccess/Developer-Infill-Paper-508b.pdf>

Profile Updated April 2014



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

