



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.

The Community College of Baltimore County

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Community College
Member since August 2009

Management and Leadership



Environmental Team

The Community College of Baltimore County (CCBC) maintains three campuses: Catonsville, Dundalk and Essex. Each campus has a sustainability committee which meets on a monthly basis during the academic year. The campus committees are supported by a College-wide committee that coordinates college-wide efforts. Over 55 faculty, staff and students participate in either a campus based committee or the College-wide committee. The College Sustainability Committee met seven times from April 2008 to April 2009. The focus of all committees is fourfold: Consumption Habits; Climate Change and Energy; Green Buildings; and Transportation. Activities, goals and policies are established to reduce the college's impact on the environment while raising awareness of the need to be more sustainable in all activities.



Annual Goals

The College Sustainability Committee's goals for FY 2009 include the following:

- *Begin recycling bottles and cans as well as paper and cardboard*
- *Partner with a "single stream" recycling vendor for mixed waste*
- *Install recycling compactors for recyclable materials*
- *Consider replacing plastic containers with glass or aluminum in all vending machines.*
- *By July 2009, ensure that 50% of our cleaning products and chemicals are Green Seal Certified and by July 2011, ensure that 100% are certified*

- Properly train the custodial staff in specific “Green Cleaning practices by September 2008.
- Increase the usage of post-recycled products such as copy paper, office supplies, paper towels, bath tissue and printer cartridges.
- Incorporated sustainable practices into college Dining Services by partnering with Sodexo, one of the index components of the Dow Jones Sustainability Indices for the World (DJSI World) and Europe (DJSI STOXX)
- When appropriate to the subject matter, add sustainability as a topic in classroom instruction
- Launch the CCBC Sustainability website
- Establish and public sustainability performance benchmarks, e.g. recycling rate, energy use/square foot, and carbon emissions
- Create faculty, student and staff “champions for sustainability.” See educational events under “Other” section.

Environmentally Preferable Procurement

By July 2009, CCBC has aimed to ensure that 50% of our cleaning products and chemicals are Green Seal Certified. By July 2011, we will use 100% Green Seal cleaning products and chemicals. We are also working to increase the usage of post-recycled products such as copy paper, office supplies, paper towels, bath tissue and printer cartridges. Sodexo dispenses napkins made from recycled paper at our dining halls.

Custodial staff have been trained using the following “Green Cleaning” practices:

- use of microfiber mops and cloths,
- use of entrance matting in buildings to capture dirt, and
- replacement of mats as appropriate to ensure adequate walk-off distances.

Environmental Restoration or Community Environmental Projects

CCBC has conducted a number of community events to raise environmental awareness and to educate faculty and students on campus environmental initiatives. See “Other”category for description of events.

Waste

Solid Waste/Material Use Reduction and Reuse

We have educated faculty, staff and students to examine our consumption habits by cutting back on certain purchases, asvoiding single use products, and utilizing all products to the maximum.

As an example, Sodexo, CCBC's dining services contractor, began offering refillable coffee mugs in August 2008.

Recycling

In CY2008, we recycled 96,657 lbs of paper and cardboard throughout the College, an increase of 435 over CY2007 levels. We have also begun recycling bottles and cans as well as paper and cardboard and have partnered with a "single stream" recycling vendor for mixed waste. We recycle computer equipment either through donation to other tax exempt/charitable organizations or to a third party equipment recycler. We also recycle batteries, light tubes containing mercury, and electronic light ballasts.

Energy

Energy Efficiency

CCBC has implemented the following energy efficiency improvements:

- Retrofitted the lighting systems to T-8 energy efficient ballasts and lamps on each campus.*
- Constructed a central utility plant at Catonsville to replace thirteen 40-year old boilers.*
- Installed an energy management system at each campus.*
- Installed HVAC economizers for use of outside air and HVAC variable speed drives.*
- Power off all college instructional and office workstations, via network commands, at 11:00 pm.*
- Shut down and dial down HVAC systems and lights during holidays and breaks saving over \$100,000 in fiscal year 2009 with this policy.*
- Piloted the use of occupancy sensors to turn off lights in classrooms and offices.*

Renewable Energy

CCBC purchases our electricity and natural gas through the Baltimore Regional Cooperative Purchasing Council (BRCPC). Under the Code of Maryland Regulations (COMAR), we are required to purchase 4% of our energy from renewable sources. The Council has locked in our mandated purchases through 2011 using wind generation contracts.

Transportation

Employee Commute

For the 2008-2009 academic year, we piloted a shuttle service between CCBC Dundalk and CCBC Essex. On average, 125 students and faculty rode the shuttle between the Dundalk and Essex campuses each week. This has reduced our carbon footprint by 2,261 lbs of CO2 in the first eight weeks of the spring semester. Since commuting composes over 71% of the College's carbon footprint, we need to make additional inroads to reducing commuting to class and work.

Efficient Business Travel

We improved video conferencing and on-line meeting capabilities to encourage more meetings via this methodology. Adobe Breeze web conferencing software was purchased and piloted for various meetings. The College Sustainability Committee met three times this year using this methodology and the Administrative Services Leadership Team met two times this year using this methodology. Several other committees also used the software.

Fleet Vehicles

We have replaced two of our older fleet pickup trucks with electric trucks. During our regular vehicle replacement cycle one fleet vehicle at Essex was replaced with a Toyota Prius. Segways were purchased for Public Safety on each campus.

Water

Water Conservation

We have started a program of planting only native and drought resistant plants that do not require watering during the summer.

Green Building

LEED Silver

The new library being built on the Catonsville campus is certified Silver under the LEED Rating System for New Construction.

Other



CCBC has conducted the following events to educate our faculty and staff to raise awareness and help meet our annual goals.

We kicked-off our revamped recycling strategy on Earth Day, April 22, 2008 by distributing paper recycling bins to all offices, classrooms and labs and re-training the custodial staff on appropriate trash segregation techniques.

We celebrated Earth Day Week in April 2008 by bringing visibility to the College's efforts. Events included:

- *A planetarium show on The Rare Earth Hypothesis at CCBC Catonsville*
- *Viewing of films including The 11th Hour and An Inconvenient Truth*
- *Green fairs at each campus*
- *A lecture by guest artist and Dundalk native Jackie Bell Johnson on eco-friendly art.*

We celebrated Sustainability Day on October 22, 2008 at all three CCBC campuses. Events included:

- *Segway rides at each campus with a \$10 donation to the United Way CCBC Student Assistance Fund.*
- *Free deserts for sustainable activities e.g., using a recyclable coffee mug*
- *Viewings of An Inconvenient Truth*
- *Displays on sustainable practices, paper saving ideas, and green cleaning*
- *A cigarette butt clean-up by the Chi Theta chapter of Phi Theta Kappa at CCBC Essex. Collected butts were on display at the Cyber Café. Guess the number of cigarette butts collected in one week and learn how cigarette waste is harmful to the environment.*

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Events at CCBC Catonsville included:

- *A Green Fair with sustainability themed vendors*
- *Pledge for a healthy planet and display of electric vehicles and Segways*
- *Give away of reusable water bottles and recycled bags*
- *Viewing of the film The Manufactured Landscape*
- *A student debate: "Omnivore vs. Vegan: Which is better for the Earth?"*

Events at CCBC Dundalk included:

- *Green Scene viewings. 3-5 minute films made by students on various sustainability topics.*

- *The Dundalk Renaissance Corporation presentation on the Greening of Dundalk*
- *Green Fair including presentations by E-Structors, IKEA and Constellation Energy and the Dundalk Women's Club*
- *Tours of the grounds, tree and flower plantings*
- *Demonstration projects on square foot gardening, composting and container gardening*

Events at CCBC Essex included:

- *Display of Sustainability themed works by members of the Art Club*
- *Earth Week fair featuring a variety of sustainability themed booths and displays of our new electric trucks and hybrid cars*
- *Speakers from IKEA and Baltimore County Government*
- *Grand Opening of the new Essex Fitness Trail*
- *Viewing of the film An Inconvenient Truth*

Additional staff and student development activities:

- *In April 2008, four members of the sustainability committees attended the "Smart and Sustainable Campus" Conference sponsored by the National Association of College and University Business Officials at College Park, MD. In April 2009, two members of the sustainability committees attended the conference in College Park, MD.*
- *A "sustainability tip of the week" was published in the Daily Post approximately 75% of the time.*
- *The May 2008 Professional Development Day had a sustainability theme. Staff were provided recycling bags.*
- *Each Administrative Professionals Day Event in April 2009 will have a sustainability theme.*
 - o *CCBC Essex's event will include a talk on "How to Make Your Office Green."*
 - o *CCBC Dundalk's event will include a small container garden.*
 - o *CCBC Catonsville's event will include a tree giveaway.*



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

Learn more at www.green.maryland.gov/registry

