



## 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.

# Cecil College

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[www.cecil.edu](http://www.cecil.edu)  
Higher Education  
Member since October 2009

## Management and Leadership

### Environmentally Preferable Products and Services

*All cleaning chemicals used by Cecil College are Green Seal certified. A Kaivac touchless cleaning system is used in the PE building restroom and locker rooms, which cuts the use of chemicals and water by 50 - 90%. A state-of-the-art Tennant T7 Autoscrubber features chemical-free and environmentally safe electrically converted water technology (ec-H2O technology from Tennant) was purchased for the PE building. The ec-H2O technology electrically converts water into an innovative cleaning solution that cleans effectively, and reduces the environmental impact as compared to daily floor cleaning chemicals. The T7 with Ec-H2O provides both increased health and safety benefits, while enhancing productivity.*

## Waste

### Recycling

*Cecil College averages a haul of approximately 1612 cubic yards per year of commingled recyclables. All cardboard is recycled. The College is moving toward a single-stream recycling program as one of its major green initiatives.*

## Energy

### **Energy Efficiency**

*Cecil College has increased its power factor efficiency from 78% to 99% in 2006 and has maintained that efficiency for the last nine years resulting in approximately \$2,000.00 annually in energy efficiency credits. Through various energy control saving initiatives, Cecil has maintained a 200,000 kWh reduction annually for the last 9 years. Even though energy costs per kWh increased, Cecil has been able to pay less than market costs by joining the Eastern Shore Energy Consortium which equates to approximately \$80,000 savings annually. Cecil is in the last phase of a 3 phase project of retrofitting all of our interior and exterior lighting, which will result in approximate savings of \$40,000 annually.*

## Water

### **Water Conservation**

*The most recent campus facility, Engineering and Math Building, was completed in August 2014. This new 28,000 gsf facility includes a wide range of water conservations features such as 2 green vegetated roofs, rain gardens, low-flow lavatories and a cistern catchment that enable storm water to be retained for non-potable use within the building.*

### **Stormwater Management and Site Design**

*The design of the storm water management system of the recent Engineering and Math Building as well as the Physical Education Complex has distributed numerous water quality devices throughout the project site, lessening the visual impact of these devices and creating new habitat using materials which are native to the area. The water quality devices include bio-retention areas, which use a combination of a grass filter area, engineered soil filters and a mulch and vegetation layer to clean the storm water prior to allowing the water to infiltrate the groundwater. These materials work together to slow the surface runoff and clean the storm water through a number of physical, chemical and biological processes.*

*The selection of native plant materials, rain gardens and the grouping of planting areas have eliminated the need for irrigation for maintenance of the plant materials, including ground covers.*

## Green Building

### LEED Gold

*Construction of a new Engineering and Math Building was completed in August 2014 and received LEED Gold certification in September 2015. This new 28,000 gsf facility includes a wide range of sustainable features such as two green vegetated roofs, energy efficient lighting and HVAC equipment, low-flow lavatories and a cistern catchment that enables storm water to be retained for non-potable use within the building.*

## Other

- A unique feature of Cecil College's new Engineering and Math Building is an energy management dashboard system that allows for monitoring of energy usage, water consumption, lighting intensity levels and solar panel outputs along with weather data. This data is available to faculty and students for academic projects and analysis.*

*In addition, Cecil College's Environmental Sciences course (ENV106-01) engages students in major construction/renovation projects on campus. Students research potential products or recycling options and provide White Papers to the Vice President of Administrative Services for review.*

**Profile Updated December 2015**



*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](http://www.green.maryland.gov/registry)*

