



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.

Chesapeake Bay Environmental Center



600 Discovery Lane
Grasonville, MD 21638
410-827-6694
bayrestoration.org
Environmental Organization
Member since March 2022

Management and Leadership



Environmental Policy Statement

Mission: Creating healthier communities by connecting people to nature through adventure-based learning that contributes to the conservation of the Chesapeake Bay.

Vision: Transforming outdoor enthusiasts into active stewards of Chesapeake Bay and beyond.

Values: CBEC is deeply committed to environmental sustainability by providing opportunities to all people desiring authentic outdoor recreational and educational experiences that contribute to the health of the Bay.

- 1. Provide equitable access to nature.*
- 2. Produce ecologically literate citizens through “hands-on, feet-wet” educational experiences.*
- 3. Inspire a love for nature and a sense of stewardship through volunteer opportunities.*
- 4. Encourage the exploration of the natural world through recreational activities that enhance the quality of life.*

Mission Cores :

- 1. Conservation*
- 2. Recreation*
- 3. Education*

Environmental Team

CBEC is composed of a group of highly educated and experienced staff dedicated to educating and building environmental stewards of all ages. The educational team designs and implements learning opportunities with schools year-round, and in summer months offers a successful summer camp for children ages Pre-K-6th grad. Staff and volunteers work actively to maintain property, facilitate restoration projects and engage in research projects.

Environmentally Preferable Products and Services

CBEC is a destination for environmental education and recreation in the Chesapeake Bay Watershed. See our many educational offerings at bayrestoration.org. The CBEC also rents its Main Hall to the public for weddings, parties, and meetings. In 2022, a brochure will be provided to potential facility renters that will include a list of ideas and resources of "How to Make your Event Green," briefly describing how to reduce environmental impacts.

Environmentally Preferable Purchasing

CBEC remains committed to purchasing sustainable and eco-friendly products whenever possible and will be adding the sale of boxed water in their visitor center this spring.

Environmental Restoration and Community Environmental Projects

See CBEC's many restoration and conservation initiatives at bayrestoration.org.

Waste

Recycling

The Center uses five new recycling bins and uses Free-Cycle for recycling services as well as dropping items off at recycling sites.

Energy

Energy Efficiency

- *HVAC: high efficiency heating and cooling unit to heat and cool interior spaces more efficiently.*
- *Solar Tubes: lets natural light in and fits into spaces too small for traditional skylights supplementing electrical lighting*

- *Building Envelope: Thermal rated windows and insulation*
- *Lighting: Use all LED lighting and exit signs as well as directional, downward-facing lighting in parking lot and other outdoor areas saving approximately 4,000 kWh annually.*

Renewable Energy

CBEC has installed solar panels to reduce energy costs and has a small wind turbine.

Water

Water Conservation

Waterless urinals and low-flush toilets are used to decrease the amount of water used.

Stormwater Management

CBEC uses an earth friendly storm water filtering system to divert storm water from parking lots, buildings, and other impervious surfaces. It serves as an attractive permeable preface that filters water before it enters the Chesapeake Bay. Native grasses planted in a sediment layered pit receive storm water from building downspouts, sidewalks, and other surfaces.

Rain Barrels are also used to recycle roof runoff and stores water for watering plants and other uses, reducing the demand for treated tap water. and further lessening the burden on municipal storm drainage systems.

Green Building

LEED Silver

CBEC is housed in a LEED Silver building, demonstrating the principles of sustainability through:

- Responsible land use*
- Optimal use of the sun*
- Wise use of the earth's natural resources*
- Improved indoor air quality*
- Overall high-performance*

The building requires fewer fossil fuels for heating, cooling and lighting than a standard building. Throughout construction the over-arching goal was to minimize the embodied energy required to extract, process and transport

building materials, and to maximize the renewability, reusability, and durability of the building.

The building includes the following:

- Passive Solar Design by facing building towards the sun and using solar panels to convert sunlight into energy for use in the building*
- Solar Panels- use sunlight to lower energy costs, and as a renewable and clean form of energy that releases zero CO₂ emissions, improving air quality.*
- Fiber Cement Siding provides natural insulation*
- Recycled decking materials for porches and walkways*
- Bamboo Flooring*



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

Learn more at green.maryland.gov

