



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.

Baltimore County Public Schools



9610 Pulaski Park Drive, Suite 204

Baltimore, MD 21220

443-809-0430

www.bcps.org

Pre-K to 12th Grade Public School System

Member since January 2017

Management and Leadership



Environmental Policy Statement

The Strategic Plan for Baltimore County Public Schools, titled, [The Compass: Our Pathway to Excellence](#), features the inclusion of the implementation of a Sustainability Plan as one of the key initiatives. The BCPS Department of Facilities Management and Strategic Planning has developed a Sustainability Management Plan with the mission of establishing sustainable school facilities and encouraging student environmental stewardship. Additionally, to further demonstrate this commitment to sustainability, in August 2022, the Board of Education of Baltimore County adopted [Policy #3540, Energy Conservation and Sustainability](#), that directs the school system to incorporate sustainable practices to the extent that is reasonable and practical in all school system operations.



Environmentally Preferable Purchasing

Baltimore County Public Schools uses environmentally preferred cleaning procedures at its facilities which serve approximately 21,000 staff members and 111,120 students on a daily basis. Our Environmentally Preferred Cleaning Procedure document outlines the environmentally preferable products and equipment we use as determined by third parties such as Green Seal and the Carpet and Rug Institute. It also outlines procedures and requires a 5-day staff training program to ensure that these practices are implemented properly. This policy is further supported by the Board of Education of Baltimore County Policy and Superintendent's Rule 3210 which encourages the use of environmentally preferred or "green" cleaning products throughout the school system.

Environmental Restoration or Community Environmental Projects

BCPS participates in the anti-litter “Clean Green 15 Challenge,” designed by Baltimore County government and the Department of Environmental Protection & Sustainability to clean up Baltimore County communities. The anti-litter initiative is intended to encourage BCPS schools and community organizations to conduct litter clean-ups and beautification projects with environmental grants for schools as incentives. This campaign has resulted in the removal of tons of litter from school campuses and communities.

Individual schools conduct tree plantings, stream clean ups, and other environmental restoration activities. For example, in 2012, Lansdowne Middle School planted 25 trees with a grant from Blue Water Baltimore (see www.bcps.org/news/2012/1218/ for information).

Additionally, many schools have achieved the Maryland Association for Environmental & Outdoor Education (MAEOE) MD Green School or MD Sustainable School Certification, that requires the school to complete various environmentally-focused initiatives, including, but not limited to, establishing No-Mow Zones, installing bluebird boxes, and planting native gardens. As of 2023, BCPS has 48 Certified MD Green Schools and 16 MD Sustainable Schools, outlined under the section titled “Other” on page 4.

Waste

Recycling

The school system participates in Baltimore County’s single stream recycling program. All schools have been outfitted with designated recycle dumpsters for single stream recycling. See below for the total tonnage of single stream recycling collected from Baltimore County Public Schools for calendar years 2014-2022.

<i>BCPS Single-Stream Tonnage</i>	
<i>Calendar Year</i>	<i>Tonnage Collected</i>
<i>2014</i>	<i>894</i>
<i>2015</i>	<i>1,209</i>
<i>2016</i>	<i>1,207</i>
<i>2017</i>	<i>1,465</i>
<i>2018</i>	<i>983</i>
<i>2019</i>	<i>1,076</i>
<i>2020</i>	<i>381</i>
<i>2021</i>	<i>825</i>
<i>2022</i>	<i>500</i>

Composting

During the 2019-2020 schoolyear, BCPS initiated a Food Waste Compost Program at three locations (2 elementary schools and 1 high school) for all cafeteria food waste generated at the participating schools. Though one elementary school discontinued their participation in December 2019, all participating schools were able to divert 28,860 pounds of food waste from the landfill, between the months of September 2019 and March 2020. Due to the COVID-19 pandemic and the shift to a virtual learning environment, BCPS did not participate in the Food Waste Compost Program for the remainder of the schoolyear.

During the 2021-2022 schoolyear, BCPS expanded the Food Waste Compost Program to include five schools total (3 elementary schools and 2 high schools). In total, these participating schools diverted 62,587 pounds of food waste from the landfill.

During the 2022-2022 schoolyear, BCPS expanded the Food Waste Compost Program to include seven schools total (4 elementary schools and 3 high schools). As of January 2023, these schools have diverted 22,960 pounds of food waste from the landfill.

Energy

Energy Efficiency

In addition, to the 176 schools that encompasses BCPS, its facility portfolio includes buildings used for administrative offices, maintenance and grounds depots, bus lots, etc.

Baltimore County Public Schools utilized energy performance contracting services to improve the energy efficiency of over 150 schools/facilities. Energy efficiency projects included lighting retrofits and replacements, HVAC control upgrades, fuel conversion of heating plants, plug load management and co-generation. In the first year, the measures amounted to over \$1.5 million in utility cost savings.

BCPS is a participant on the Baltimore Regional Cooperative Purchasing Committee's (BRCPC) Energy Board. The Energy Board committee meets monthly with an energy consultant to advise BCPS and other local governments on energy purchases, changes in the market, and training.

BCPS also participates in a Demand Response program through its two curtailment management consultants. BCPS curtails electrical usage during designated hours on Demand Response Days to reduce stress on the electrical grid and reduce energy costs. BCPS utilizes Utility Bill Management software to run an analysis of electric, natural gas and fuel oil consumption for all BCPS owned buildings.

Each holiday, a shutdown list is sent out as part of BCPS's weekly bulletin informing the school that temperature setbacks will be in place and providing a list of items staff are to shut down to conserve energy during these unoccupied periods.

For scheduled maintenance and new construction, BCPS participates in utility rebate programs for the installation of energy efficient equipment.

*The slogan **STRIVE TO KEEP ENERGY WASTE AT ZERO!** is used to remind staff to shutdown energy consuming equipment during unoccupied periods.*

Renewable Energy

BCPS has photovoltaic arrays (solar panels) located at two elementary schools which were commissioned in 2022; Berkshire Elementary and Rossville Elementary. From March 2022 through December 2022, the array located at Berkshire Elementary School has generated 15.19 MWh of solar energy with an annual renewable energy generation calculated at 21.50 MWh. From September 2022 through December 2022, the array located at Rossville Elementary School has generated 18.96 MWh of solar energy with an annual renewable energy generation calculated at 83 MWh.

Water

Water Conservation

Under the three Energy Performance Contracts, to reduce water consumption, BCPS installed various low-flow and energy efficient technologies to upgrade numerous fixtures, including: lavatory and kitchen faucets, urinals, toilets, showerheads, kitchen pre-rinse sprayers, cooling tower deduct meters, and ice machines. These upgrades occurred at 36 schools or facilities throughout BCPS.

Green Building

LEED Silver

Baltimore County Public Schools facilities portfolio contains twelve schools that have earned the LEED Silver Certification, is pursuing a certification, or has a certification pending:

*George Washington Carver School for the Arts and Technology
Honeygo Elementary School
Mays Chapel Elementary School
Lansdowne Elementary School
Lyons Mill Elementary School*

*Relay Elementary School
Westowne Elementary School
West Towson Elementary School
Berkshire Elementary School (Pursuing)
Chadwick Elementary School (Pursuing)
Colgate Elementary School (Pursuing)
Victory Villa Elementary School (Pursuing)*

LEED Gold

Baltimore County Public Schools facilities portfolio contains two schools that have earned the LEED Gold designation:

*Dundalk Elementary School
Dundalk /Sollers Point Technical High School*

Environmental Certification Programs, Awards, and Other Activities



Maryland Green Schools

Forty-eight schools have earned the Maryland Green School designation through the Maryland Association for Environmental & Outdoor Education (MAEOE). They are listed below.

*Arbutus Middle
Battle Monument
Bear Creek Elementary
Catonsville Elementary
Catonsville Middle
Chatsworth School
Cockeysville Middle
Cromwell Valley Elementary
Deer Park Middle Magnet School
Dumbarton Middle
Eastern Technical High
Edgemere Elementary
Fort Garrison Elementary
Franklin Middle
Fullerton Elementary
Gunpowder Elementary
Hampton Elementary
Holabird Middle
Kenwood High*

*Lyons Mill Elementary
Mays Chapel Elementary
Milbrook Elementary
Overlea High
Padonia International Elementary
Parkville Middle
Perry Hall High
Perry Hall Middle
Pikesville Middle
Pine Grove Elementary
Pine Grove Middle
Pleasant Plains Elementary
Randallstown Elementary
Reisterstown Elementary
Riderwood Elementary
Ridge Ruxton School
Ridgely Middle
Rodgers Forge Elementary
Rosedale Center*

*Seven Oaks Elementary
Sparrows Point High
Sparrows Point Middle
Stoneleigh Elementary
Sudbrook Magnet Middle*

*Timonium Elementary
Wellwood International
West Towson Elementary
Westowne Elementary
Windsor Mill Middle*

Maryland Sustainable Schools

Sixteen schools have earned the Maryland Sustainable School designation through the Maryland Association for Environmental & Outdoor Education (MAEOE). They are listed below.

*Berkshire Elementary
Dulaney High
Dundalk Middle
Glyndon Elementary
Hereford High
Hereford Middle
Hillcrest Elementary
Jacksonville Elementary*

*Lutherville Laboratory
Norwood Elementary
Pinewood Elementary
Pot Spring Elementary
Prettyboy Elementary
Sparks Elementary
Towson High
Western School of Technology*

U.S. Department of Education Green Ribbon Schools

Wellwood International Elementary School was recognized as a U.S. Department of Education Green Ribbon School Honoree. This recognition distinguishes this school as one that demonstrates the successful progress in the areas of 1) reducing environmental impacts; 2) improving health and wellness; 3) offering effective environmental and sustainability education.

Profile Updated January 2023



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

Learn more at green.maryland.gov

