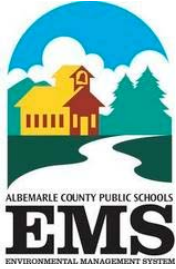


Environmental Management System



An EMS is a set of processes and practices that enable an organization to **reduce** its **adverse environmental impacts** and **increase** its **operating efficiency**. It is a **systematic approach** for our school system to bring environmental considerations into day-to-day decision-making and operations. Implementing an EMS

also establishes a **framework for tracking, evaluating and communicating environmental performance**.

The establishment of an **Environmental Management Policy** is the cornerstone of an EMS. Albemarle County Public Schools has adopted an Environmental Management Policy that embodies our commitment to **compliance, pollution prevention, and continual environmental improvement**.

Standard Operating Procedures

Developed as part of the Environmental Management System, the following **Standard Operating Procedures (SOPs)** have been approved by the **EMS Steering Committee** and are official for Albemarle County Public School use:

Recycling & Universal Waste

[Fluorescent Lightbulb Recycling SOP](#)

[Rechargeable Battery Recycling SOP](#)

[Refrigerant Management SOP](#)

[PCB Ballast SOP](#)

Asbestos Management

[Asbestos Management SOP](#)

Safety

[Confined Space SOP](#)

[Crane Safety SOP](#)

[Animals in the Classroom SOP](#)

Chemical Management

[Integrated Pest Management \(IPM\) SOP](#)

[Safer Chemical Management SOP](#)

Other

[Well Water Sampling and Maintenance SOP](#)



Commingled Recycling



Posters in all the schools on "What goes in the bin?"

Yes

- Aluminum Cans
- Tin Cans
- Steel Cans
- Phonebooks
- Plastic Bottles (#1 & #2 only)
- Glass Containers & Bottles
- Office Paper
- Construction Paper
- Magazines
- Cardboard
- Newspaper

No

- Food and Liquid Waste
- Plastic Bags
- Styrofoam
- Plastic Food Trays
- Plastic Tubs
- Milk Cartons
- Plastic Bottle Caps
- Food Contaminated Items
- Paper Towels
- Plastic Liners

*Although recycling is a key component of being sustainable, it's important to remember to reduce your waste by reusing materials or buying less!

A few tips on how to **Reduce** and **Reuse** before you **Recycle**:

- **Simplify:** Only keep belongings that you use/enjoy on a regular basis. By making the effort to reduce what you own, you will naturally purchase less/create less waste in the future
- **Shopping Bags:** While shopping, if you only buy a few products skip the shopping bag. For larger purchases, bring your own reusable ones.
- **Mug-to-Go:** Carry a mug with you wherever you go for take-out beverages.
- **Avoid Creating Trash:** when ordering food, avoid receiving any unnecessary plastic utensils, straws, etc. Buy ice cream in a cone instead of a cup, don't accept "free" promotional products, buy products with the least amount of packaging, etc.

*adapted from www.globalstewards.org



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Albemarle County Public Schools Environmental Compliance



Monticello High School's Garden Project

Albemarle County Schools Going Green!

- Green Building & Monitoring Stations
- Energy and Renewables
- Feature Schools
- Kitchen Sustainability
- Environmental Management System
- Recycling



Scan this QR code with your smart phone for more detailed information and a paperless copy of this brochure!



Green Building

Albemarle High School is currently undergoing the LEED for Schools Certification process for their new addition.



In December 2010, **Brownsville Elementary** earned the LEED **GOLD** certification.



Henley Middle School is currently registered for the LEED for Existing Buildings – Operations & Management Certification process.



*LEED Certification Categories:

- Sustainable Sites
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovation in Operations
- Regional Priority Credits

*According to the LEED 2009 for Existing Buildings – Operations & Management Project Checklist

Air & Roof Monitoring Stations

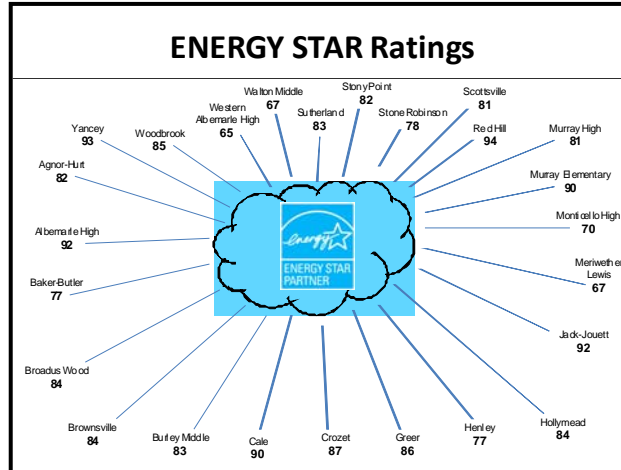
As a part of their LEED project, **Albemarle High School** now has an expansive green roof complete with **monitoring station**.



The **Virginia Department of Environmental Quality (DEQ)** installed an **ambient air monitoring station** at Albemarle High School in early **2008**. The station measures particulate matter 2.5 micrometers or smaller in size (PM2.5) and ozone.

Energy and Renewables

Albemarle County Public School Division became an ENERGY STAR partner in **April 2009**.



Successful Efficiency Measures:

- Increased communication with schools about energy and water usage
- Formation of an energy team with representation from many departments and schools
- Lighting upgrades with motion sensors
- Energy audits
- Implementation of the Energy Management and Conservation Policy
- Modifying setpoints through the Building Automation System
- Purchasing ENERGY STAR qualified office equipment and appliances
- Gaining remote control of learning cottages

Future Project at **Henley Middle School** to include:

- Solar Panels
- Wind Turbine
- Solar Thermal
- Renewable Energy Resource Center



Feature Schools

Gardens & Greenhouses



Henley Middle School's Environmental Club at work in the garden (above).



Greenhouse at Stony Point Elementary (above). Rain-water collection cisterns outside Yancey Elementary's greenhouse (right).



Monticello High School's garden project (above).

Staying Sustainable in the Kitchen!

Eat Fresh, Eat Local!

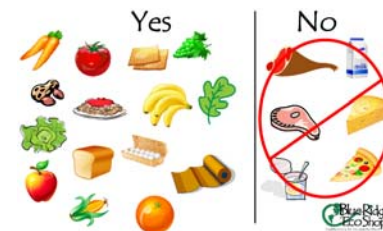


In **November 2010**, 8 schools participated in **Farm to School Week**-- an effort to promote health and sustainability. Food from the Local Food Hub was served in the cafeteria during **Virginia's Farm to School Week**. The week also included educational components regarding agriculture, farmers, and the benefits of eating local foods. Participating farms included the Local Food Hub, Carter Mountain Orchard, and the Farm at Red Hill. Farm to School week is an annual event, and we hope to see even greater participation in the coming years!

Composting

Urban Compost Tumblers® have been installed at Brownsville Elementary, Crozet Elementary, Western Albemarle High School, Red Hill Elementary, and Monticello High School.

What Can I Compost at School?



Reduce, Reuse, Recycle!