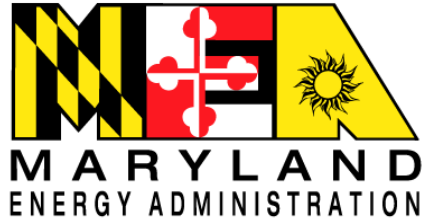


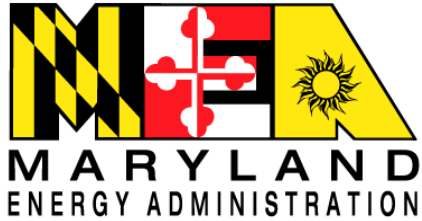
Tools and Resources *for Energy Management in Maryland schools*

April 2005
Lauren Robbins
Maryland Energy Administration



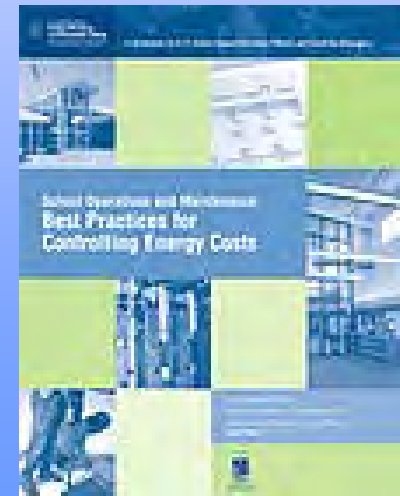
Purpose

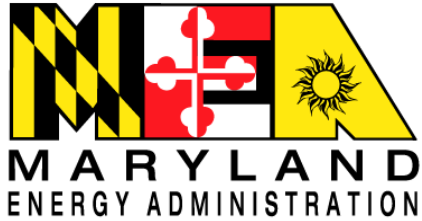
- MEA is working to promote advanced energy management planning efforts throughout Maryland public schools.
- There are considerable resources available to facility directors, administrators, and teachers to aid in these efforts.



Best Practices

- Rebuild America Report – *School Operations and Maintenance: Best Practices for Controlling Energy Costs*
- ENERGY STAR® – *Guidelines for Energy Management*
- Association of School Business Officials – *School District Energy Manual*

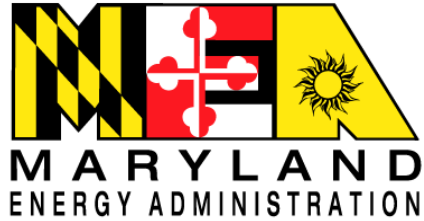




ENERGY STAR TRAINING

1. ENERGY STAR Overview for Commercial and Public Sectors
2. Rating Energy Performance with EPA's Portfolio Manager
3. Designing Top Energy Performing Buildings for Your Clients
4. Money for Your Energy Upgrades
5. Introduction to the Cash Flow Opportunity Calculator
6. PC Power Management
7. Purchasing and Procurement

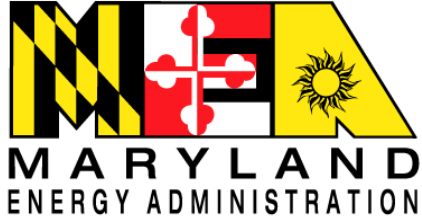




Tools & Resources

For New Building Design/Renovation

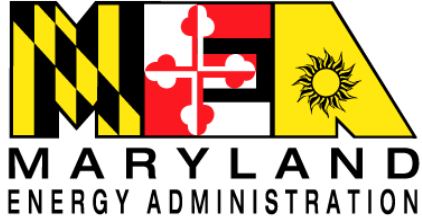
- Rebuild America National Best Practices Manual for Building High Performance Schools
- Rebuild America Energy Design Guidelines for High Performance Schools
- ENERGY STAR Target Finder



Tools & Resources

For Energy Management Planning

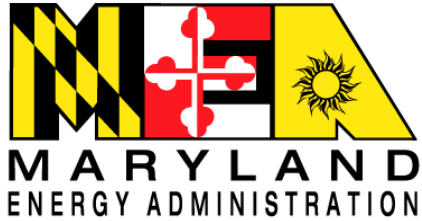
- ENERGY STAR Energy Performance Rating System
- ENERGY STAR Guidelines for Energy Management
- Sustainable Buildings Industry Council's High-Performance School Buildings Resource and Strategy Guide



Tools & Resources

For Capital Upgrades

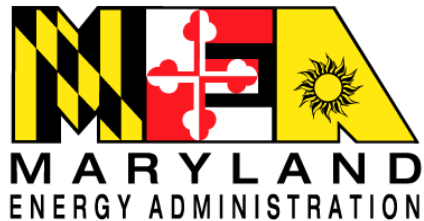
- DOE Online Resources
- ENERGY STAR Building Upgrade Technical Resources
- EnergySmart Building Choices: School Facilities
- More at www.energysmartschools.gov



Tools & Resources

For Determining Pollution Impacts

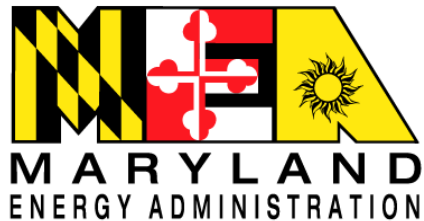
- Alliance to Save Energy Pollution Calculator
- Rebuild America Calculators
 - Fuel Conversion
 - Energy Intensity
 - Internal Rate of Return
 - Life Cycle Cost
 - Net Present Value
 - Energy Savings Opportunity



Case Studies

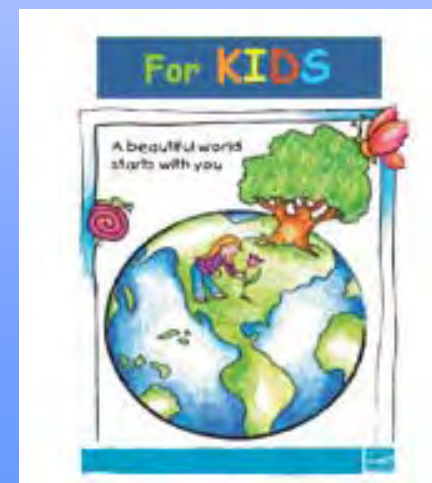
- Rebuild America School Success Stories
- ENERGY STAR Labeled Building Case Studies & Partner Case Studies
- CEE Database of Energy Efficient Schools
- Wisconsin Focus on Energy
- Energy Saving Trust

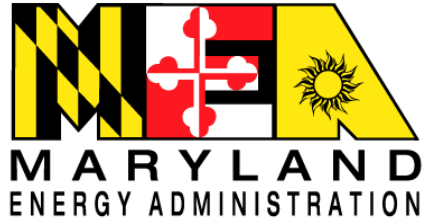




Resources for Teachers

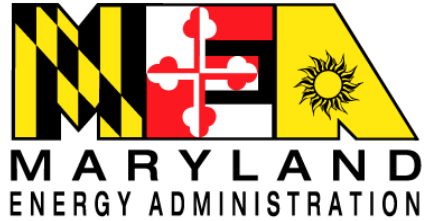
- Alliance to Save Energy Green Schools Lesson Plans
- California Energy Commission Educational Activity Package –
- NEED Blueprint for Energy Education Programs and Energy Info Books
- DOE Energy Education Resources
- Thirteen Online Class Energy Audit
- National Energy Foundation





MEA Resources

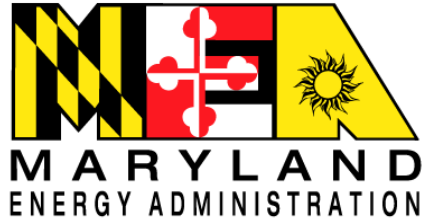
- This workshop is the first in a series of three. Future workshops:
 - Turning Best Practices Into District Practices
 - Innovations in Energy Management at Maryland Public Schools
- MEA contractors (SENTECH, Inc.) will be available to assist schools with efforts between workshops.



MEA School Audits

Free on-site assistance will be available to qualifying school districts.

- District has developed a written energy management plan
- On-site assistance will be a full day of work with a school energy management expert.
- Site visits will be limited based on timing and funding availability.
- Applicants for on-site visits should contact Brian Levite



Contact Information

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Email: blevite@sentech.org