

# GREEN SCHOOLS FOCUS



[www.greenschoolsfocus.org](http://www.greenschoolsfocus.org)

Green  MCPS  
Building

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## School Facilities of MCPS

- MCPS has 194 Schools and almost 140,000 students, largest district in MD
- Overall almost 20 million sf of facilities
- FY 2007 - 2012 CIP \$1.17 billion
- FY 2007 Operating Budget \$1.8 billion
- Increase in enrollment and class size reduction = 720 portable classrooms

## Sustainability at MCPS

- Tools for Schools – IAQ
- Integrated Pest Management – IPM
- Outdoor Education
- MCPS Recycling
- Energy Resources Team
  - Green Schools Focus



# GREEN SCHOOLS FOCUS

## Green Schools Focus Programs

- Energy Management
  - Utility Procurement
- Green Building Program 
  - Standard Reviews + LEED Pilots
- School based Energy Conservation Programs:
  - SERT - **S**chool **E**co **R**esponse **T**eam
  - SERT Green Schools for MS + HS

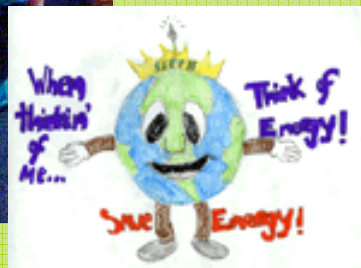




# GREEN SCHOOLS FOCUS

## School Programs

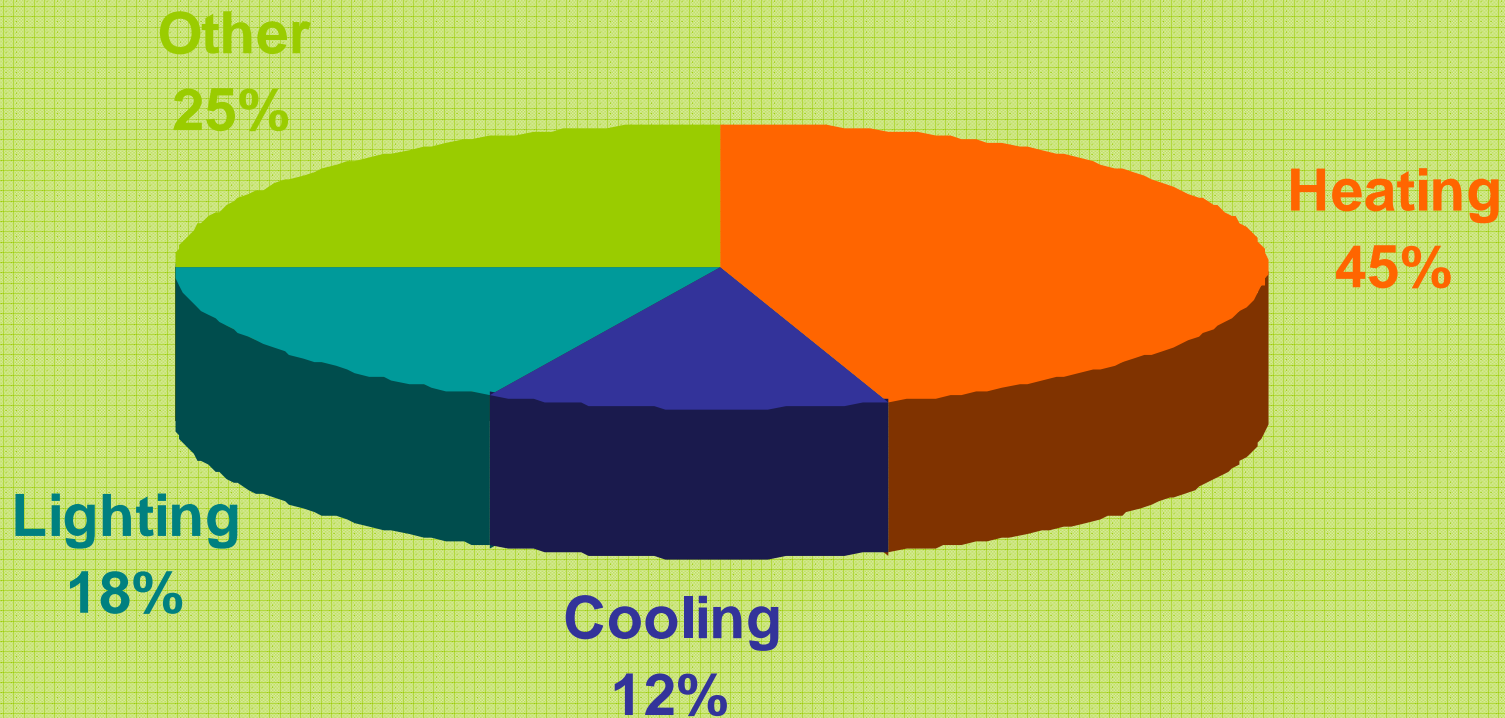
- SERT since 1991
- Saved \$688,000 in FY 2004 and approx. 1 million in FY 2005
- Mandatory since 2004



# GREEN SCHOOLS FOCUS

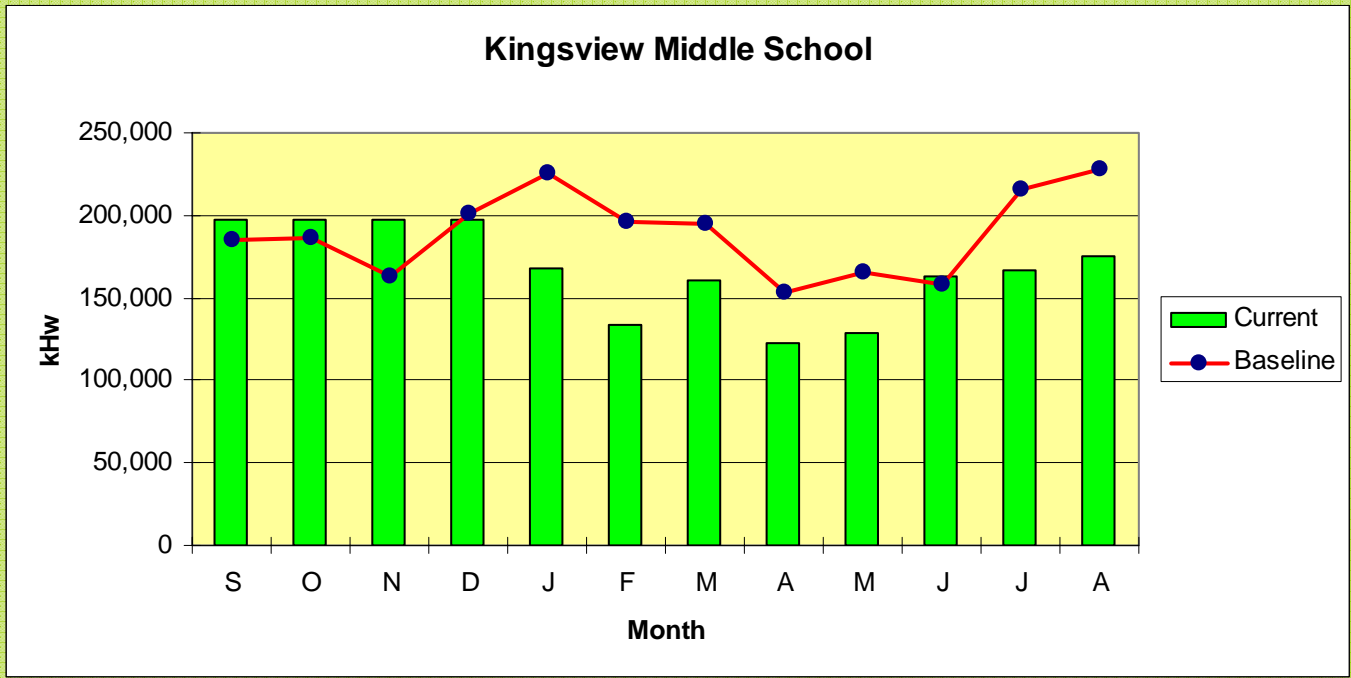
**MCPS Total Energy Use 2005/6 \***

**\$33 million = \$1.65/sf/year**



\* Utility bills have increased by 55% from 2002/3

# GREEN SCHOOLS FOCUS



**YOUR SCHOOL COMPARED TO ALL MCPS MIDDLE SCHOOLS**

Lowest Usage

Highest Usage

(kWh/Sq.Ft.)

(kWh/Sq.Ft.)

# RECYCLING PROGRAM

## ADMINISTRATIVE

- **Montgomery County Regulation**
- **School Board Policy**

## ON-SITE

- **SERT Action Plan / establish teams**
- **Incentives to involve students**

## CENTRAL

- **Contracted vendor(s) / daily operations**
- **Data tracking**
- **Guidance materials (brochure, website, etc)**



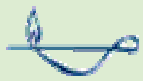




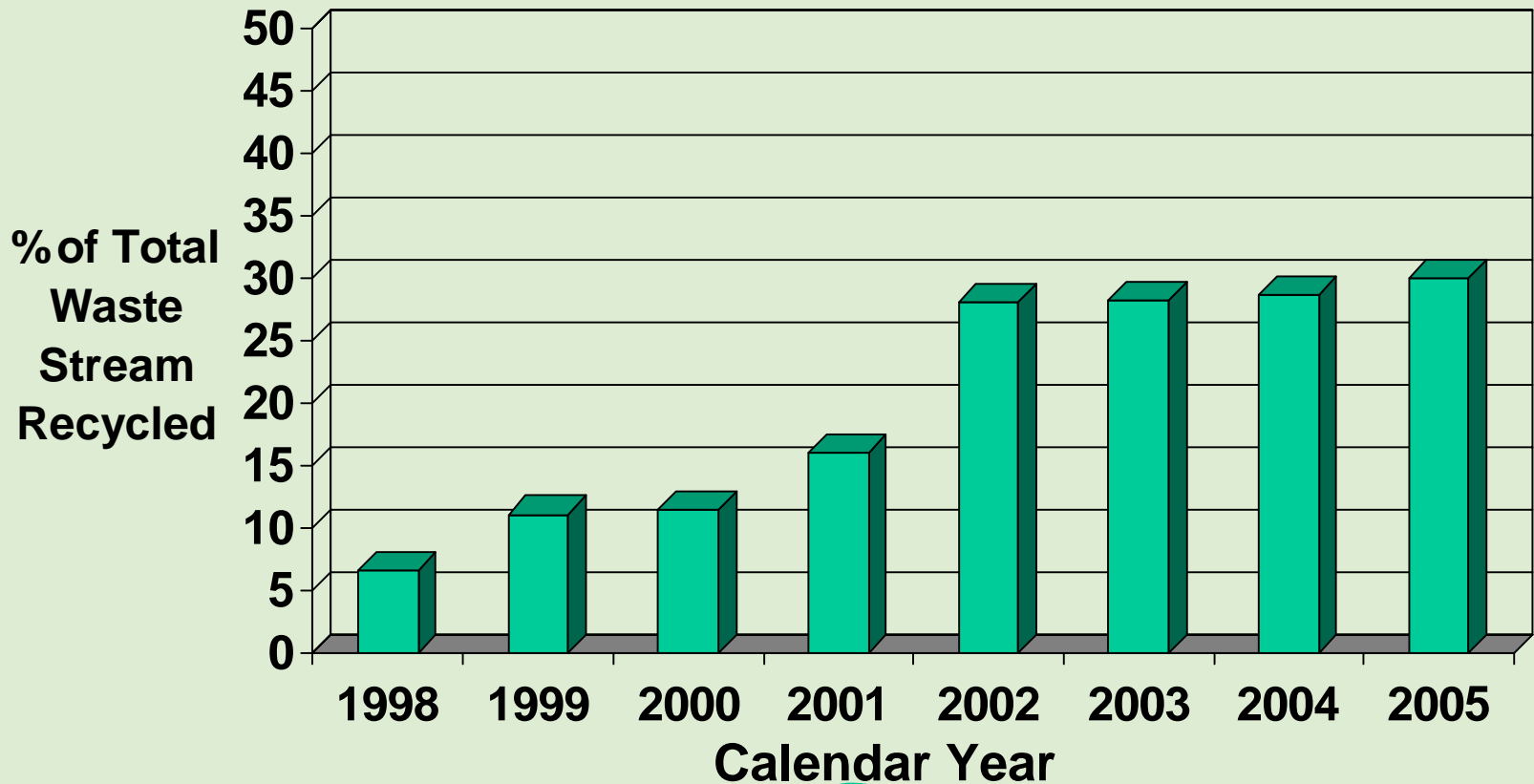
# MCPS RECYCLING

- **SHORT TERM: FOCUS ON RECYCLING AWARENESS, INFRASTRUCTURE AND VOLUME**
- **LONG TERM: DEVELOP STRATEGIES TO REDUCE WASTE**



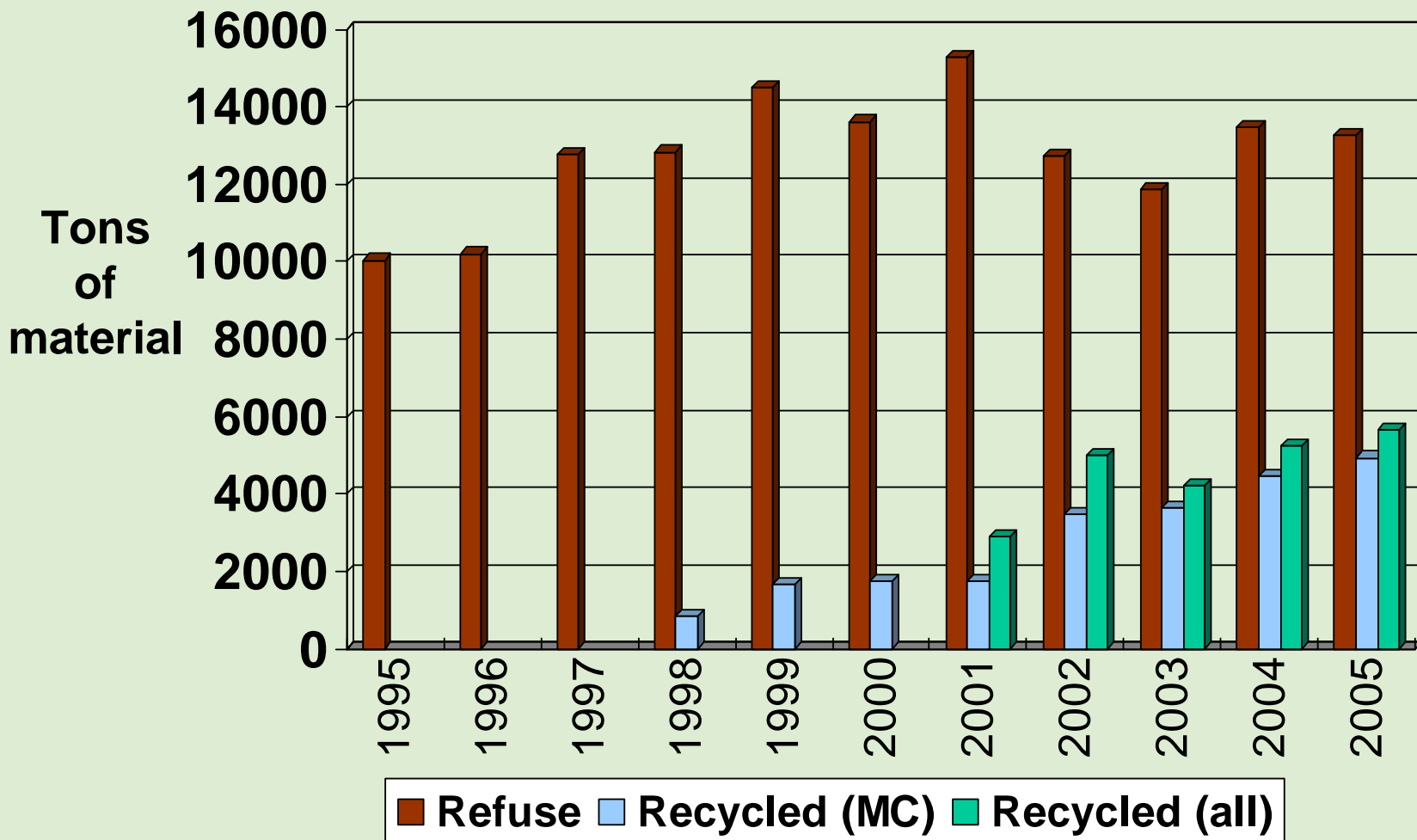


# MCPS RECYCLING





# MCPS RECYCLING STATISTICS



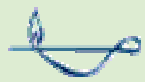


## **RULE OF THUMB**

- 3 tons per month per high school**
- 2 tons per month per middle school**
- 1 ton per month per elementary school**







# **SCHOOL RECYCLING**

## **PAPER 2500 TONS/2005**

## **COMMINGLED 350 TONS/2005**





# CARDBOARD (Non-School Facilities)





# NEWSPAPER RECYCLING







# YARD WASTE 609 TONS/2005







# RECYCLING

## COMPUTERS, TEXTBOOKS, WOOD

### 300 TONS/YEAR





# SCRAP METAL 500 TONS/2005





## **OTHER MATERIALS RECYCLED**

- **Cooking Oils and Greases**
- **Ink Jet, Toner Cartridges**
  
- **Automotive materials at transportation depots only!**

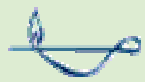




# PROGRAM CHALLENGES – CONTAMINATION AND VANDALISM







# PROGRAM CHALLENGES – CONTAMINATION AND VANDALISM





Brooke Grove  
8/17/04

Weller Rd  
9/13/04









# OBJECTIVES FOR FY2006

- **Targeted Program Reviews and Follow up**
- **Data Automation**
- **Waste Composition Study**
- **Training for all Coordinators**







# Need more information?

<http://www.mcps.k12.md.us/departments/recycling/>

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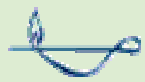
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**QUESTIONS AND DISCUSSION**

