



# Biannual P2 Goddard Update

... all waterways lead to the Chesapeake Bay

# GSFC's Environmental Risk Management Ethics

- Biobased Stockbuying Program
- LEED Building
- Recycling and P2 at GSFC
- Eco-consciousness

“A land ethic simply extends the boundaries of the community to include soils, waters, plants, and animals, or collectively: the land. A land ethic, then, reflects the existence of an ecological conscience, and this in turn reflects a conviction of individual responsibility for the health of the land.” - Aldo Leopold, *A Sand County Almanac*

# Biobased Stockbuying



Kim Wedemeyer  
GSFC's "Face of Biobased."

- Buying biobased products
- Buying recycled products
- "Just In Time" ordering from Office Depot

# GSFC's Green Launchfest

- Biobased materials used at Launchfest
- Composting and recycling of generated waste



- Also composting and of cafeteria generated waste at USDA

# Triumph!

## Our New LEED Building

- Certified Silver rating, going for the Gold!
- Sustainable site
- Water efficient
- Location - linkages
- Light pollution
- Indoor Air Quality
- Open Space
- 4<sup>th</sup> Quarter 2008 saw 73% of waste diverted from landfills and recycled!



# GSFC's Green Team

- Website began in Fall 2007

- Educating GSFC employees on importance of waste prevention and recycling

- Year Round activities



NASA GODDARD SPACE FLIGHT CENTER

+ Site Map  
+ Search

**Your Choice.  
Our Future.**

**Come celebrate America Recycles Day!**  
Thursday, Nov. 13 from 11 am to 1 pm - Building 32 Lobby

**Recycling at GSFC**

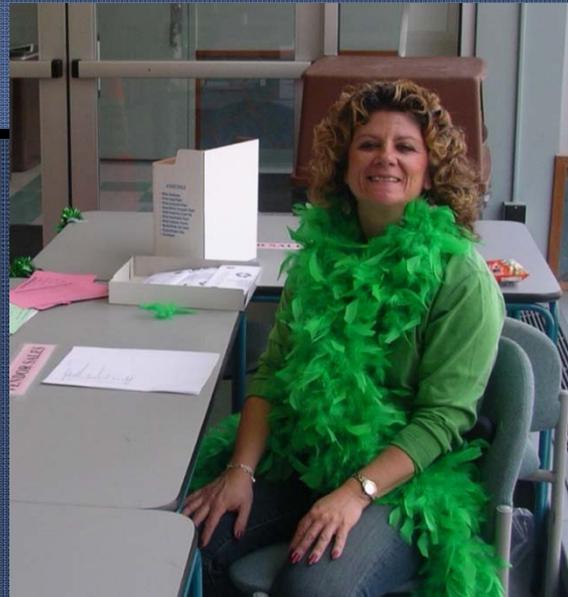
+ GREEN OFFICE

Help Goddard celebrate America Recycles Day! Learn more about recycling, enjoy a performance by the GCDC Kindergarten (at 11 a.m.), get free recycled-content goodies! Also, visit the America Recycles Day website and try out the "Conversionator" for all the statistical reasons you should recycle. Recycling rocks!

Recycle at GSFC

Also, check out our Green Office Model to discover ways you can help the environment while at work.

<http://recycle.gsfc.nasa.gov>



# Recycle Olympics – A New Kind of Waste Education



- The challenge involved identifying different types of wastes ranging from cardboards, hazardous wastes, toner cartridges, Styrofoam®, plastic bottles, paper, etc.
- Participants raced against one another to sort items into appropriately labeled collection containers
- Upon completion, collection containers were evaluated for correct content
- Winner was named as having the most correctly sorted containers and in lieu of a gold medal received a congratulatory pat on the back.

# Battery Recycling Program



- Reduction in the amount of Hazardous Waste from batteries
- 11 Buildings have Battery Recycling Bins
- 9 Buildings are in the process of getting Battery recycling Bins

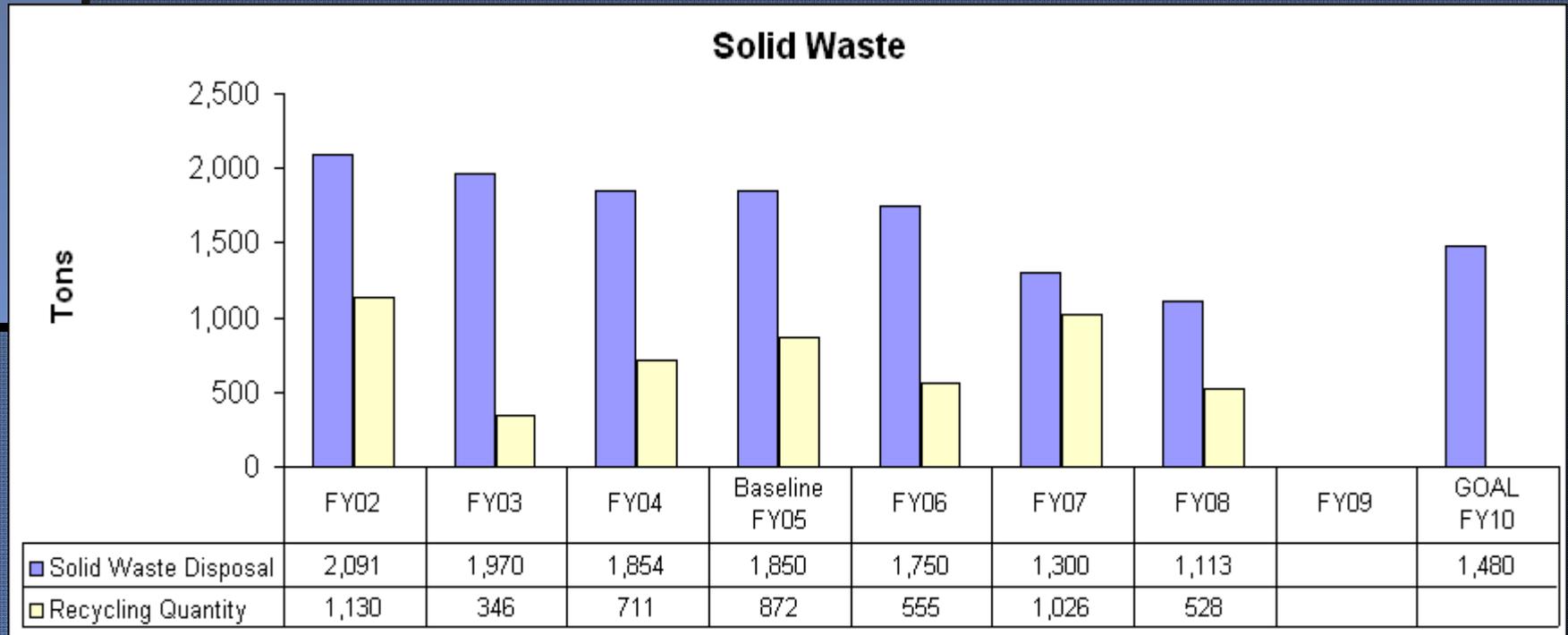
# Tyvek Recycling Program



- Began September 2008
- Diverts non biodegradable solid waste from landfills
- Tyvek recycling bins located in Satellite Accumulation Areas and outside cleanrooms

# Exceeding Expectations

Waste reduction has *already* surpassed its 2010 goal!



# Chemical Exchange Program

- Goal of minimizing hazardous waste due to expired shelf life or non use
- Chemical Exchange program is an effective tool to manage reusable chemicals

# Hazardous Materials Management

- Buy it, put it on the shelf, dispose of as waste (something's missing here)
- Implementing new process
- All HazMat purchased through Store Stock
- Each container tracked from issue to disposal (container return)
- Recycle empties

# Eco-consciousness

- Stewardship of natural resources determines the size of our ecological footprint.
- We can do this with effective source reduction.
- We're trying to keep our feet out of the Chesapeake Bay.
- Bioretention Area
- Volunteer built Rain Garden



# Rain Gardens

- Green filter vs. grey funnel
- LID, Lessens pollutant load to rivers
- Small rain garden built by volunteers
- Larger rain garden (Bioretention Area)



Rain Garden



Bioretention Area