



Presented by: Colleen Cusick, RN
March 21, 2009

Johns Hopkins Hospital Green Team

5th Annual Maryland Patient Safety Conference

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M E D I C I N E

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JHH Green Team



- January 2008
- Monthly meetings
- Grass roots effort/Volunteers
- Interdisciplinary
- Leadership and supervisor support
- Subgroups
- Website development
- Communication

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Sustainability



“Sustainability” is defined as a **pattern of resource use** that aims to meet human needs while **preserving the environment**. It will meet the needs of the present without compromising the ability of future generations to meet their own needs.

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Mission Statement



The mission of The Johns Hopkins Hospital Green Team (Initiative) is to create an environmentally conscious culture that engages and inspires social responsibility in its employees, clients and the wider community. We will continue to provide knowledge and awareness in order to uphold sustainability eco-friendly efforts.

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Vision Statement



The vision of the Green Team is to lower our environmental impact through sustainable use of the earth's resources, thus improving the health and safety of the community and the world.

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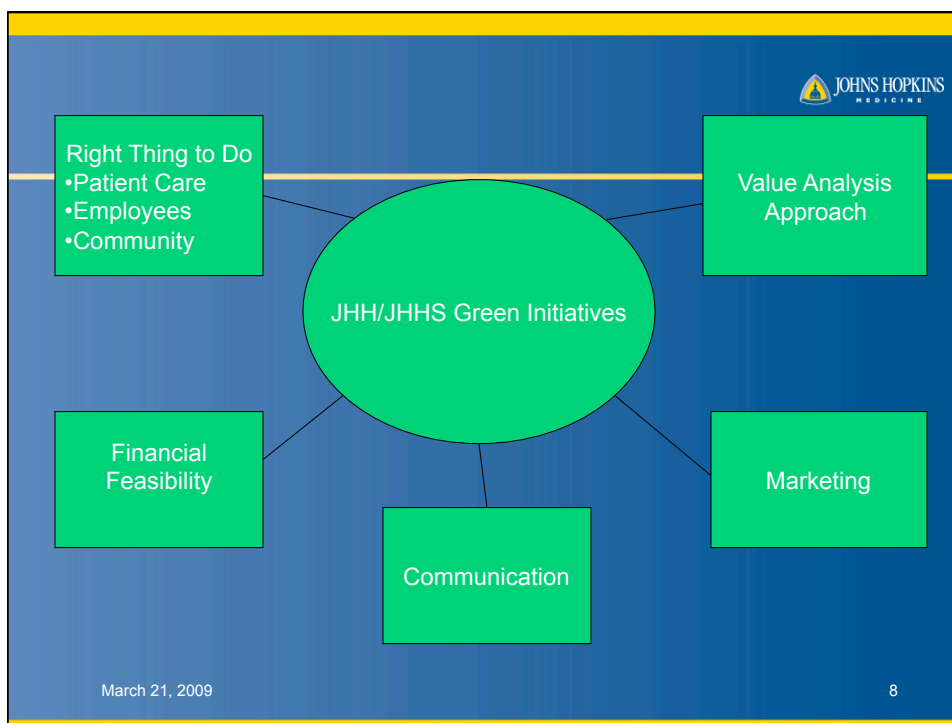
2009 Goals & Objectives



- Through the establishment of new policies and practices Johns Hopkins will demonstrate our Green Commitment as follows:
 - **Reduce** environmental waste;
 - **Establish** a campus-wide recycling program for paper, plastic, glass and aluminum;
 - **Recycle** items such as eyeglasses, cell phones, toner cartridges, and durable medical equipment;
 - **Purchase** and use environmentally preferred (green) products;
 - **Educate** the community at large about sustainability in our culture;
 - **Lessen** use of energy and water resources where and when possible.

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JHH/JHHS Green Initiatives



- List has been generated to catalog the green initiatives that are currently in place.
- 60+ Initiatives
- Examples:
 - Waste segregation
 - Mercury elimination
 - Eye glass recycling
 - Dispensers for napkins & utensils in cafeteria
 - Florescent lamp
 - Pallet recycling
 - Pillow and seizure pad recycling
 - Cardboard recycling
 - JH Center for Green Healthcare

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Environmentally Preferred Purchasing



- Products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose:
 - Packaging considerations
 - Reusable totes
 - Pallet recycling
 - Request less packaging
 - Product content
 - Latex
 - DEHP
 - PVC
 - Reduce/Reuse/Recycle
 - Deletion of custom admission kits – Reduction of plastic in land fill
 - BioSystems Sharps Management Program – Reusable sharps containers
 - Reprocessing of single-use devices – Recycles OEM products
 - Construction

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Hazardous Waste



- In 2008, the JHH Department of Health, Safety, and Environment (HSE) collected **175,935 pounds** of hazardous waste
- 67% of the hazardous waste was recycled or repurposed
 - 34,505 lbs neutralized on-site
 - 81,650 lbs reutilized as fuel off-site
 - 57,938 lbs sent off-site for destruction
 - Remaining amount fluorescent lamp recycling

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Waste Segregation



- Segregation of regulated medical waste from municipal waste
 - First step to recycling
 - Cost savings opportunity
 - Program inception 2006
 - Saved 1.3 million pounds from going into regulated medical waste stream

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JHH Recycling Roll-Out

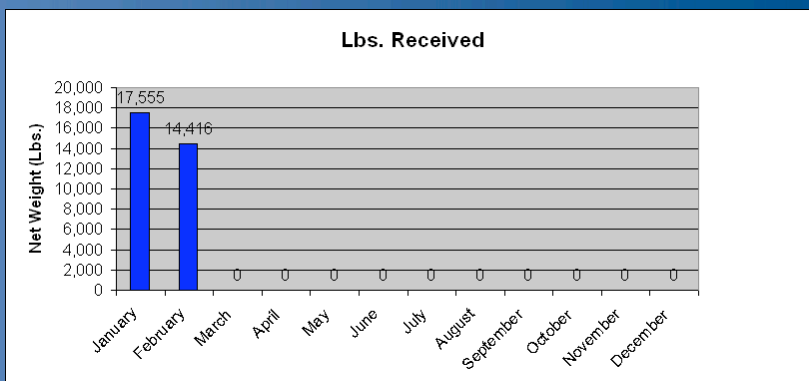


- Single-stream hybrid – December 2008
 - Paper recycling and glass/plastic/aluminum recycling
- E-cycling
- Alkaline battery recycling
- Education & training of EVS staff
- Education for general staff/end-users

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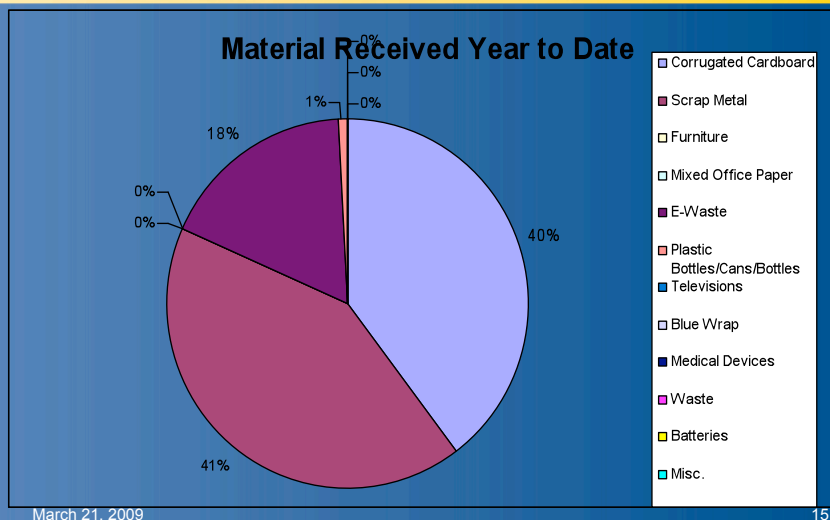
2009 Recycling: Total Weight to Date – 31,971 net lbs



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2009 Recycling: Material Received to Date



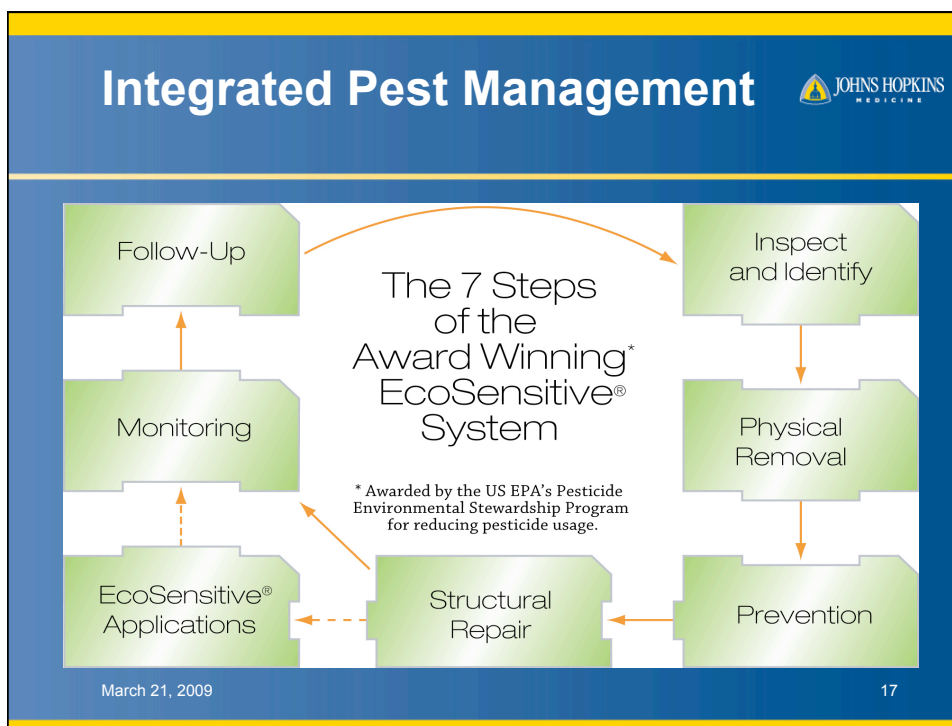
Alkaline Battery Recycling



- Alkaline Battery Recycling program began February 2009
- Reusable collection canisters will be provided upon request
- Collection canisters are taken to a central location and emptied by unit representative
- 100% recycling of Alkaline batteries is a potential 10 ton annual reduction

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Johns Hopkins Center for Green Healthcare

- Mission: To discover and promote sustainable environmental solutions for healthcare institutions and providers through scholarly research.
- Vision: To transform healthcare to lead environmentally-friendly and energy-efficient practices by engaging health professionals in the scientific research of green practices and public advocacy of sustainable living.

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Johns Hopkins Center for Green Healthcare



- **Deliverables**

- Scientific research publications in the peer-reviewed medical literature proceeding from the center
- Research presentations on green practices delivered at national medical conferences
- Website to promote Center endeavors and serve as a resources for hospitals and practitioners world-wide
- Assist of health professionals who choose a career in the research of green practices in healthcare
- Press Releases sent about center activities and number of new articles and programs proceeding
- Grants applied for future growth of the center

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Green Challenges



- Culture Change
- Educational Needs
- Communication
- Financial Considerations

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What can you do?



- Reduce paper use by decreasing # of handouts & double-siding papers
- Recycle toner cartridges
- Turn off lights: empty conference rooms, offices, etc.
- Catering requests: no plastic water or juice bottles
- Decrease medical product waste – take only the amount of products you need into patients' rooms
- Use the right containers when recycling
- Carpool
- Teleconferencing for meetings instead of driving
- Think of what you can do in your own department and be a unit champion!

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Questions? Comments!



Colleen Cusick, RN

ccusick@jhmi.edu

410-502-1900

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