

**UNIVERSITY OF MARYLAND EASTERN SHORE
CARBON FOOTPRINT & INVENTORY OF GREENHOUSE GAS EMISSIONS**

Briefing of Environmental Mitigation Activities – May 1, 2009

- I. Background – Overview of Carbon Footprint Initiative
 - Steering Committee of 25 members
 - 3 Co-Chairs
 - 9 Subcommittees
 - Collaboration with Honeywell Corporation
 - Completed Carbon Footprint for FY 08
 - Established baseline for future GHG emission reduction strategies

- II. Buildings
 - 47 Buildings; 700 acres; approx. 2 million square feet (309,343 sq. ft. of Research Bldg. space)

- III. Greenhouse Gas Mitigation
 - 6,199 total campus population (students, faculty, staff)
 - Electrical consumption, fuel purchases, transportation

- IV. Recycling/Waste Management
 - Recycling program revamped and enhanced
 - 32% Recycling Rate (2008)

- V. Energy Reduction
 - Energy consumption reduced by 33% from 2005 to June 2008
 - Contracted firm to conduct energy facilities audit; developed and implemented plan of action; corrected deficiencies

- VI. Water Conservation
 - Implemented Drip Emitter System to water grass and flowerbeds
 - Gator Bay System
 - Cut grass higher to conserve water
 - More time response to and repair of faulty faucets, hydrants, and systems using water

- VII. Storm Water Management
 - Sediment Ponds
 - Planted more trees
 - Maintenance on storm drainage systems

- VIII. Related Educational/Outreach Efforts
 - Students participated in designing energy conservation materials for campus-wide distribution
 - Building managers trained on conservation methods applicable to their respective buildings

- IX. Renewable/Recyclable Energy
 - Solar panel installation (2 megawatts) planned for Summer 2009
 - Geothermal System installed in residence halls
 - Biodiesel Study proposed to recycle dining hall oils to be used as fuel for farm equipment

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