

## New England College and University Initiative

~~NEWMOA Web Conference on Green  
Building Successes & Opportunities at  
Campuses and K-12~~

March 30, 2004

## Overview

- Status of the College and University Initiative
- What is the BMP Catalog
- Green Building Case Studies
- Highlight of Case Studies Showcased in BMP Catalog
- How Do We Grow the BMP Catalog?

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## EPA Adds Another Tool...

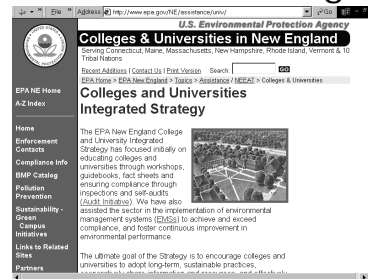


Moving away from the adage: "If the only tool you have is a hammer, everything looks like a nail."

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## EPA's Perspective: Where Does the BMP Catalog Fit?



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## EPA's Goals

- Enhance the Agency's EMS Guide
- Provide a useful tool to C/U -- practical information to move a project forward
- Identify potential avenues to finance projects
- Recognize colleges/universities
- Share successes

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## Green Building Case Studies

- Construction: Using Green Certified Wood – Middlebury College
- Construction: Management of Construction Debris – The Ohio University
- Design: Building a Better World at a Public Institution – UMaine Farmington

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## Using Green Certified Wood

- Championed and established “green certified wood” industry in Vermont.
- *“Designing the Future: A Framework for Implementation of Sustainable Design and Construction Standards for Middlebury College.”*
- Middlebury influenced carpenters and architects about the importance of local economies and environmental quality.
- Middlebury received its wood at 5% above the market norm.

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## Management of Construction Debris

- Self-motivated program to divert C&D out of waste stream.
- Promote specific language in contract and bid documents.
- All possible C&D waste is being recycled or reused.
- Set up an area for collecting C&D waste for in-house construction jobs near the college's facility/operations.

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## Building a Better World at a Small Public Institution

- Showcases presidential leadership and an inclusionary process in which a new green building can be designed on a modest budget.
- New Education Center is designed to meet LEED silver-level certification and scheduled to be built in 2005.
- The Facilities Management group is a strong presence in the process.
- 60% of project funded by \$4.8M state bond. Seeking additional funding.

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## Example of a BMP

**Green Building: Design**

**Summary:** University of Idaho at Pocatello is a small public institution...  
**Project Goals:**

- Develop LEED-certified public building in Idaho.
- Provide a model for green building design and construction.
- Demonstrate the use of green building practices and materials.
- Provide a model for green building design and construction.

**Description:**

- The building is a 100,000-sq-ft building.
- The building is designed to meet LEED silver-level certification.
- The building is designed to be a model for green building design and construction.

<http://www.epa.gov/ne/assistance/univ/pdfs/bmps/umainegreenbuilding.pdf>

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## The BMP Catalog

- Energy: Renewable Technology and Efficiency Measures
  - ≍ Geothermal -- Eastern Connecticut State
  - ≍ Submetering -- Southern Connecticut State
  - ≍ VendingMisers – Tufts University
- Institutional Administration
  - ≍ Env. Performance Reporting – UVM, UNC, Yale
  - ≍ Loan Fund for Environmental Projects - Harvard

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## The BMP Catalog (2)

- Homeland Security: Risk Assessment, Prevention & Mitigation, Response, Recovery, Preparedness, and Communication
  - ≍ The Communicator Gets the Message Out
  - ≍ Event Management
  - ≍ Training on Counter Terrorism Planning and Response Efforts
  - ≍ Chemical Management Systems
  - ≍ Management of a Confirmed SARS Case on Campus

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## The BMP Catalog (3)

- Transportation
  - ⌞ Transit System - Cornell
- Water Mgmt
  - ⌞ Waterless Urinals – MUSC, UT Houston
  - ⌞ Storm water Control – Boston University

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## The BMP Catalog (4)

- Waste Management
  - ⌞ Dining Services: Composting Program - Bates
  - ⌞ Dormitories: RESCUE Program - Colby
  - ⌞ Art & Theatre: Pollution Prevention Management in the Arts – RISD
  - ⌞ Facilities: Integrated Pest Management – Catholic University
  - ⌞ Recycling: University of MA in the Business of Recycling – UMass Amherst
  - ⌞ Laboratories: Green Chemistry – University of MA Boston

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## Question...

How do we grow the catalog?

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## BMP Template

- |                              |                          |
|------------------------------|--------------------------|
| ● Summary                    | ● Steps Taken            |
| ● Campus Profile             | ● Tools Used             |
| ● Green Activities           | ● Participants           |
| ● Project Goals Description  | ● Performance & Benefits |
| ● Pre-Project Considerations | ● Lessons Learned        |
|                              | ● Further information    |
|                              | ● Other Programs         |

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## Web Activity to Date

- Great interest
- 15,175 Page Requests from May 2003-Feb 2004
- Many C/Us expressed interest in telling their stories.

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## EPA New England College and University Contact

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<http://www.epa.gov/ne/assistance/univ/bmpcatalog.html>

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