federal energy management program

High Performance Buildings Database:
Case Studies of Green Buildings and Other Resources for Green Builders

Anne Sprunt Crawley
Federal Energy Management Program
Energy Efficiency and Renewable Energy
U S Department of Energy
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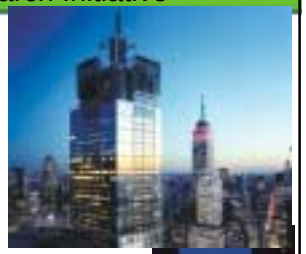
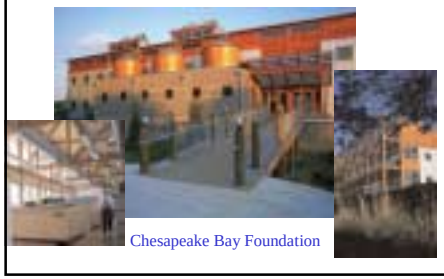
DOE High Performance Buildings Research Initiative

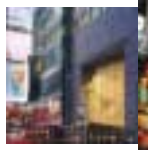
- Develop, document, and promote examples of 'high performance' buildings
- Provide research (technical) assistance for 'top 5' high performance buildings
- Develop metrics of 'high performance'
- Provide tools to support design, construction, commissioning, and retrofit



4 Times Square



Chesapeake Bay Foundation



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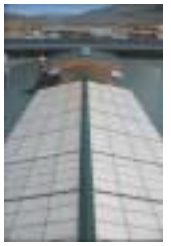
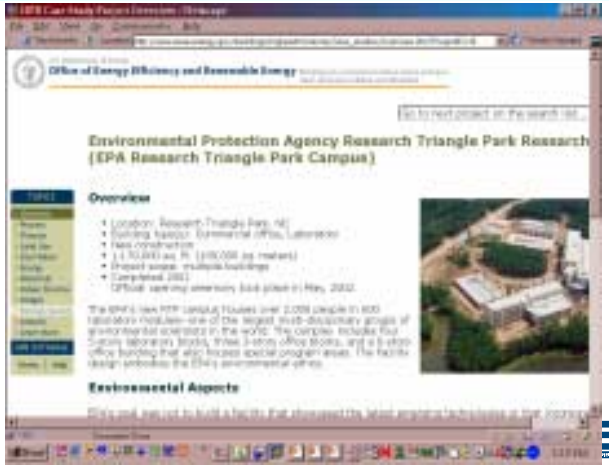
General Topics

- Overview
- Process
- Finance
- Land Use/Community
- Site/Water
- Energy
- Materials
- Indoor Environment
- Images
- Ratings/Awards
- Lessons
- Learn More



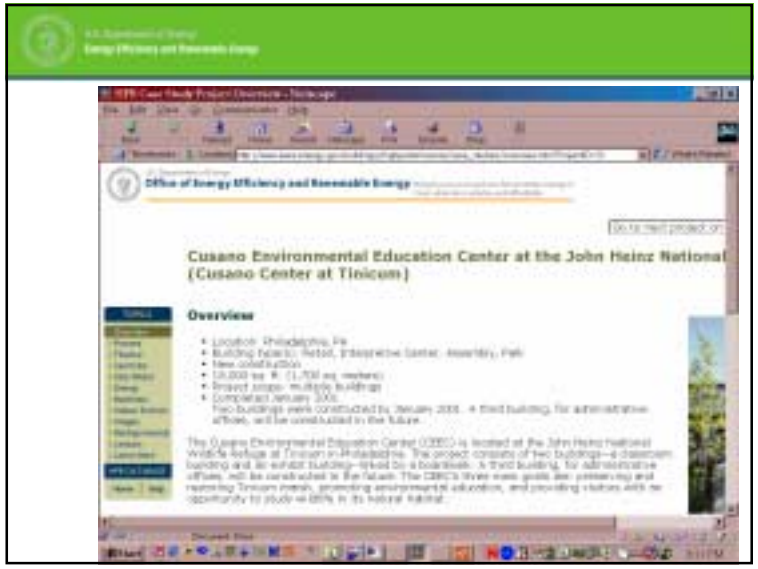
A Resource for Transforming the Market for Green Buildings

- Documents ‘real’ buildings
- Shows that green is possible today
- Provides documentation of process, lessons learned, and tools necessary for success
- Supports the business case for sustainability




Office of Energy Efficiency and Renewable Energy
EPA Research Triangle Park Campus
Materials & Resources


Diversion of Construction & Demolition Waste
Green Strategies


Office of Energy Efficiency and Renewable Energy
Cusano Environmental Education Center at the John Heinz National
(Cusano Center at Tinicum)
Overview


Office of Energy Efficiency and Renewable Energy
Pennsylvania Department of Environmental Protection's Cambria
(DEP Cambria)
Overview
Site & Use

We want your federal (and other) green buildings in the database!

- Process
  - Go to www.highperformancebuildings.gov
  - Enter detailed project information
  - Release information (photos, text, etc.)
  - Submit for editorial review
  - Panel reviews and publishes
- Custom interfaces
  - Web portal for your buildings?
- We can help, contact us!

FEMP

Data Base Resources

High Performance Buildings initiative
www.highperformancebuildings.gov

High Performance Buildings Database
http://www.eere.energy.gov/buildings/highperformance/case_studies/

DOE Building Technologies
www.eere.energy.gov/buildings/

Dru Crawley
EERE/USDOE
(202) 586-2344
Drury.Crawley@ee.doe.gov

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Sources for More Information

- FEMP Web Site: www.eren.doe.gov/femp
- FEMP Help Desk: 800-363-3732
- Energy 2003: Real World – Real Solutions" FEMP Annual Workshop and Exposition, Orlando, FL, August 17-20, 2003
- Anne Sprunt Crawley
  - USDOE/EERE/FEMP
  - 202-586-1505
  - anne.crawley@ee.doe.gov

Sources for More Information

- Whole Building Design Guide:
  - http://www.wbdg.org/

- Low Energy Building Design Guide:
  - http://www.eren.doe.gov/femp/prodtech/low-e_bldgs.html
- Greening Federal Facilities:
  - **http://www.eere.energy.gov/femp/techassist/green_fed_facilities.html**