



U.S. Department of Energy
Energy Efficiency and Renewable Energy

High Performance Schools Advance Design & Technologies Seminar



Boston, MA

December 9, 2003



U.S. Department of Energy
Energy Efficiency and Renewable Energy

High Performance Schools

Advance Design & Technologies Seminar

- **Introductions**
- **Overview**
- **Incidentals**
- **Rebuild America/EnergySmart Schools**



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Rebuild America EnergySmart Schools

Rebuild America – National Program – US Dept of Energy

EnergySmart Schools – One of Five

A Bottom Up Not a Top Down Program

Assists through Community Partnerships

Provides Information and Assistance



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Goals of Rebuild America's EnergySmart Schools



Improve teaching and learning environments

Reduce energy consumption and costs

Increase use of clean energy

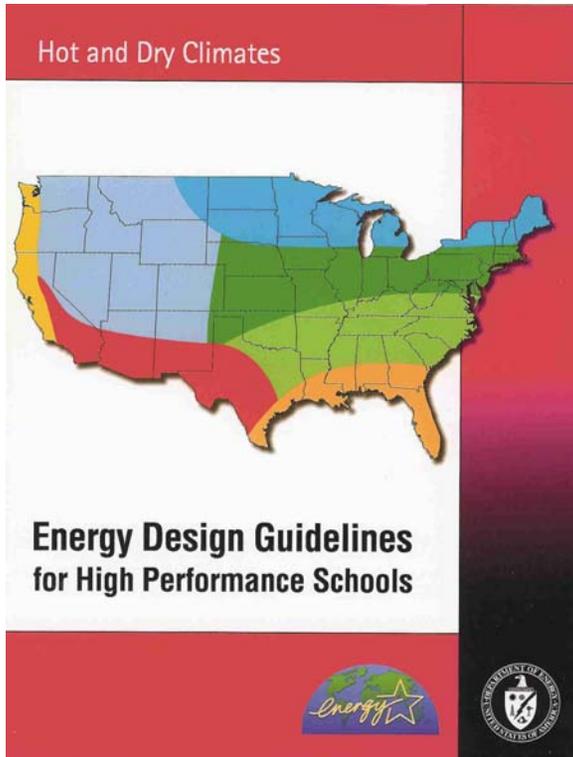
Help schools reinvest energy savings

Increase student, teacher, parent, and community awareness and involvement



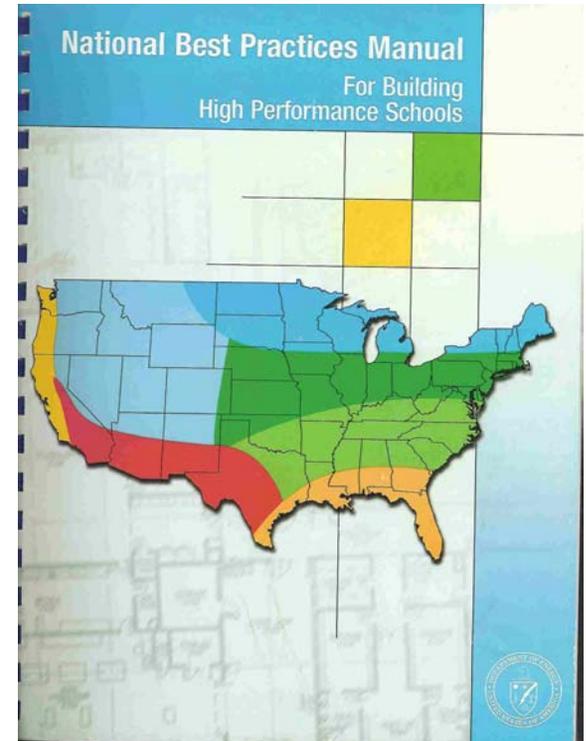
Design Information

Documents



Climate Types

1. Hot/dry
2. Hot/humid
3. Temperate mixed
4. Temperate humid
5. Cool / dry
6. Cool / humid
7. Cold/ humid





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Agenda

9:00 a.m. – 9:15 a.m.	Introductions and Overview of Day
9:15 a.m. – 9:55 a.m.	Overview of HP School Design
9:55 a.m. – 10:30 a.m.	Site Planning & Water Conservation
10:30 a.m. – 10:40 a.m.	Region Specific Programs
10:40a.m. – 10:55 a.m.	Break
10:55a.m. – 11:35 a.m.	Electric Lighting
11:35 a.m. – 12:15 a.m.	Day-lighting
12:15 p.m. – 1:15 p.m.	Lunch (IEA Annex 36 Presentation)
1: 15pm – 1:30 p.m.	Region Specific Programs
1:30 p.m. – 1:50 p.m.	Fenestration
1:50 p.m. – 2:10 p.m.	Building Envelope
2:10 p.m. – 2:30 p.m.	Roofing
2:15 p.m. – 2:45 p.m.	Region Specific Programs
2:45 p.m. – 3:00 p.m.	Break
3:00 p.m. – 4:00 p.m.	HVAC
4:00 p.m. – 4:30 p.m.	Materials Efficiency, Healthy Interiors & Waste Management
4:30 p.m. – 4:45 p.m.	Region Specific Programs
4:45 p.m. – 5:00 p.m.	Wrap Up and Adjourn