



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

High Performance Schools Design & Technologies Seminar



Providence RI

December 10, 2003



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

High Performance Schools Design & Technologies Seminar

- **Introductions**
- **Purpose of Seminar / Outcome**
- **Overview**
- **Incidentals**
- **Rebuild America/EnergySmart Schools**



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

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



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

Rebuild America in Brief

**Rebuild America
partnerships improve the
quality of life in
communities by investing
in energy efficiency and
renewable energy
technologies.**





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

Goals of Rebuild America's EnergySmart Schools



Improve teaching and learning environments

Reduce energy consumption and costs

Increase use of clean energy

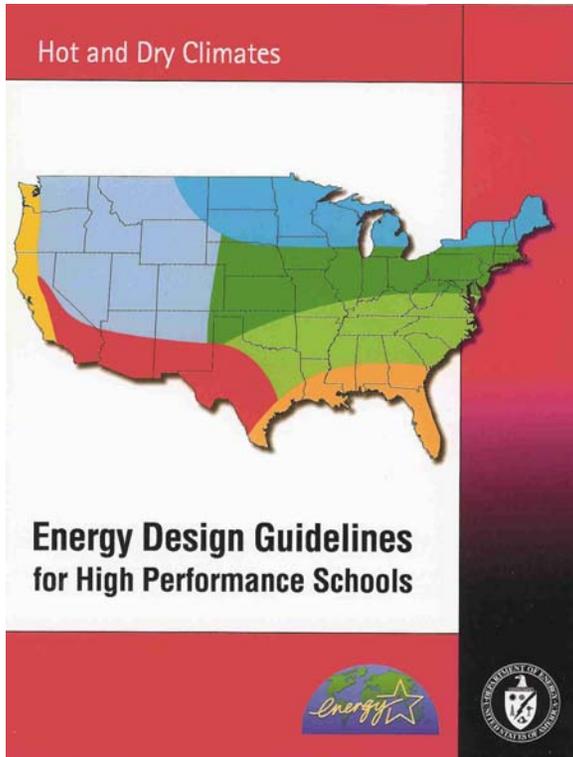
Help schools reinvest energy savings

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



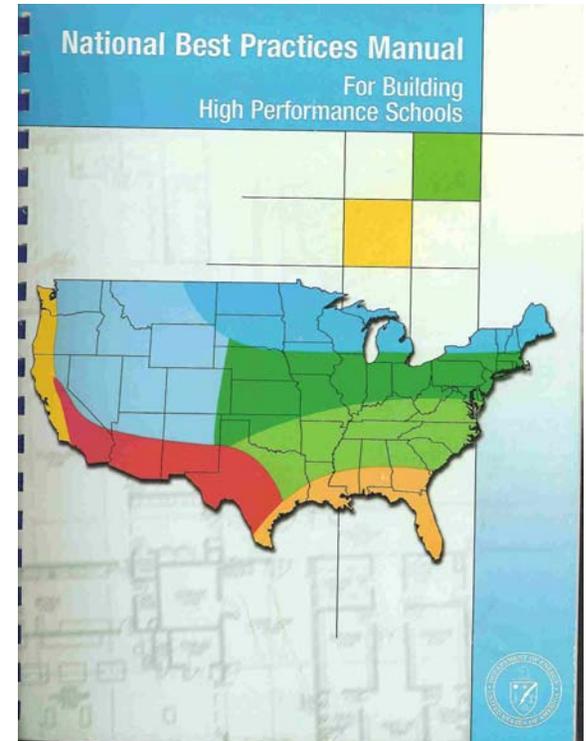
Design Information

Documents



Climate Types

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





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

High Performance Schools Design & Technologies Seminar

Agenda

8:30 a.m. – 9:00 a.m.	Registration and Continental Breakfast
9:00 a.m. – 9:15 a.m.	Introductions and Overview of Day
9:15 a.m. – 10:00 a.m.	High Performance Design Overview
10:00 a.m. – 10:30 a.m.	Lighting – Lamps and Ballasts
10:30 a.m. – 11:00 a.m.	Break and Viewing of Tabletop Exhibits
11:00 a.m. – 11:30 a.m.	Lighting Controls and Day-Lighting
11:30 a.m. – noon	Day-Lighting
12:00 pm – 1:00 p.m.	Lunch and Tabletop Exhibits
1:00 p.m. – 1:45 p.m.	Indoor Air Quality
1:45 p.m. – 2:15 p.m.	Local Programs
2:15 p.m. – 2:45 p.m.	Mechanical Systems – Enhancing Technologies
2:45 p.m. – 3:15 p.m.	Reflective Roofing
3:15 p.m. – 3:30 p.m.	Tying It All Together

Adjourn



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

