



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

# High Performance Schools Design & Technologies Seminar



**Portland, Oregon**  
**December 12, 2003**



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Energy Efficiency and Renewable Energy

# High Performance Schools Design & Technologies Seminar

- Introductions
- Purpose of Seminar / Outcome
- 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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# Rebuild America in Brief

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





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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**

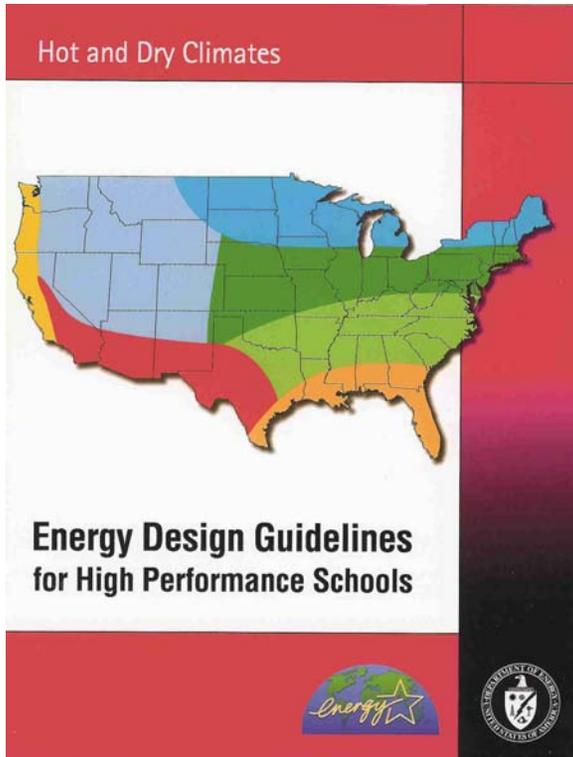
**Help schools reinvest energy savings**

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



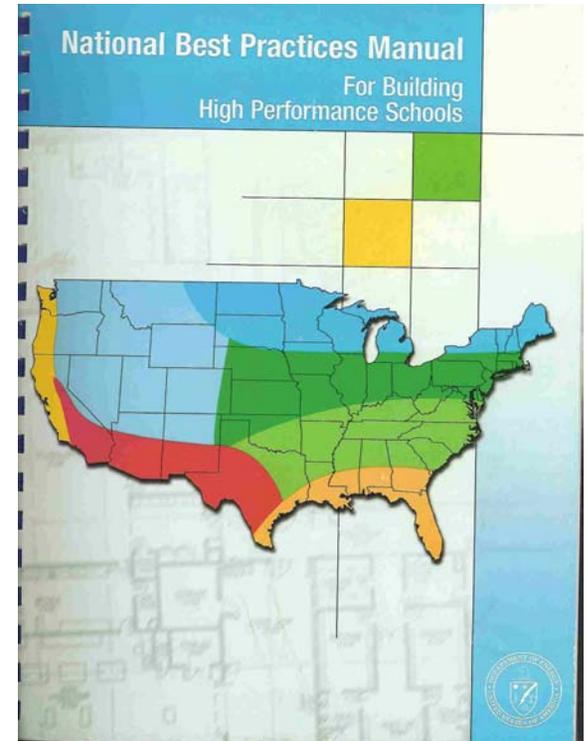
# Design Information

## 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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# High Performance Schools Design & Technologies Seminar

## *Agenda*

8:30 a.m. – 9:00 a.m.	<b>Registration and Continental Breakfast</b>
9:00 a.m. – 9:15 a.m.	<b>Introductions and Overview of Day</b>
9:15 a.m. – 10:00 a.m.	<b>HP Schools and Integrated Design Process</b>
10:00 a.m. – 10:30 a.m.	<b>Indoor Air Quality</b>
10:30 a.m. – 10:45a.m.	<b>Break and Viewing of Tabletop Exhibits</b>
10:45a.m. – 11:30 a.m.	<b>Lamps, Ballast and Controls</b>
11:30 a.m. – Noon	<b>Day-Lighting</b>
Noon – 1 p.m.	<b>Lunch</b>
1:00 p.m. – 1:30 p.m.	<b>Mechanical Systems</b>
1:30 p.m. – 2:15 p.m.	<b>Mechanical Systems – Smart Building Controls</b>
2:15 p.m. – 2:30 p.m.	<b>Break</b>
2:30 p.m. – 3:00 p.m.	<b>Oregon Success Stories</b>
3:00 p.m. – 3:30 p.m.	<b>Financing HP Schools in Oregon</b>
3:30 p.m. – 3:45 p.m.	<b>Tying It All Together -- Adjourn</b>

**Optional Tour of National Earth Advantage Center**



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