



Vermont Examples of High Performance

Alison Hollingsworth and Panel

Better Buildings By Design
February 9, 2006

Session Agenda

1. **Update on 2005 Vermont Guidelines for Energy-Efficient Commercial Construction**
2. **Panel Introduction**
3. **Project Introduction**
4. **Enosburg Falls Middle and High School Addition and Renovation**
5. **Vermont Mutual Insurance Renovation**

2005 Vermont Guidelines for Energy-Efficient Commercial Construction Update

CBES (Commercial Buildings Energy Standards) Committee

Reconvened in response to DOE grant to update 2001 Vermont Guidelines for Energy Efficient Commercial Construction

2001 Vermont Guidelines for Energy Efficient Commercial Construction

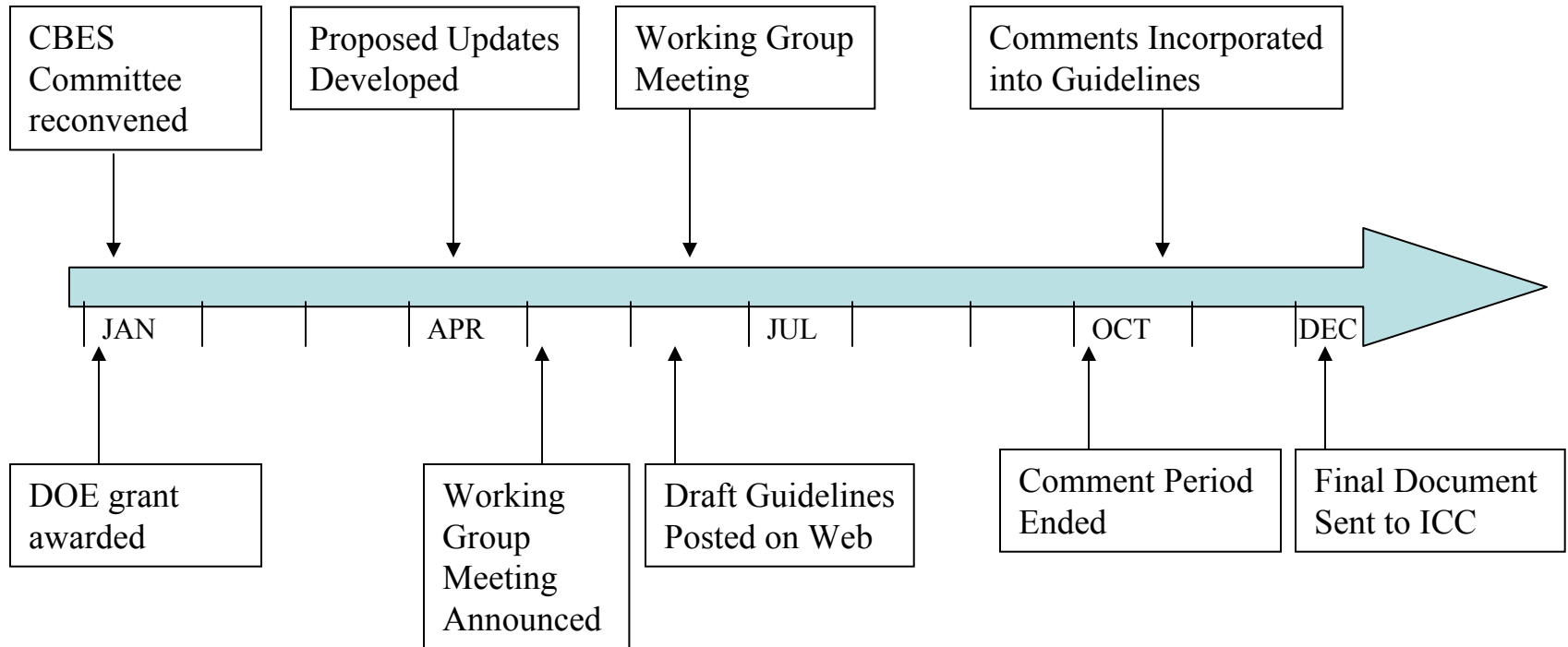
Currently applies to Act 250 and state-funded new construction projects

Members of CBES Committee

- Burlington Electric Department
- Department of Public Service
- Efficiency Vermont
- GWR Engineering
- Optimal Energy
- Vermont Gas Systems

2005 Vermont Guidelines for Energy-Efficient Commercial Construction

2005 Activities



2005 Vermont Guidelines for Energy-Efficient Commercial Construction

- **One document with Vermont specific amendments**
 - Envelope
 - Transformers
 - Electric heat restrictions
- **Maintains two compliance paths**
 - 2004 ASHRAE 90.1
 - IECC 2004
- **Both IECC and ASHRAE/IESNA updated to reflect advances in technology**
 - Appropriate for Vermont to adopt new standards to stay current with national trends



2005 Vermont Guidelines for Energy-Efficient Commercial Construction

2006 CBES Committee Activities

- **Track legislative process**
 - ACT 61 – asks DPS to work with CBES to develop energy code to be adopted statewide
 - Possible roll out date Jan 2007
- **Education and outreach**
 - Code changes
 - How to go beyond code

2005 Vermont Guidelines for Energy-Efficient Commercial Construction

Limited number of 2005 Guidelines available at

- Burlington Electric
- Department of Public Service
- Efficiency Vermont
- Vermont Gas

Also available for purchase or viewing

- <http://www2.iccsafe.org/states/Vermont/>



Adoption and Contact Information:

- http://publicservice.vermont.gov/energy-efficiency/ee_commstandards.html

Panel Members

Enosburg Middle and High School

Greg Blair – EF Wall

Bill Bissell – William Bissell, PE

John Hemmelgarn – Black River Design

Vermont Mutual

Jerry Dunbar - EF Wall

Greg Lord – EF Wall

Kim Morrow – EF Wall

Scott Norway – Norway and Sons

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