



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



Building Energy Codes

A View of the Commercial Code of the Future

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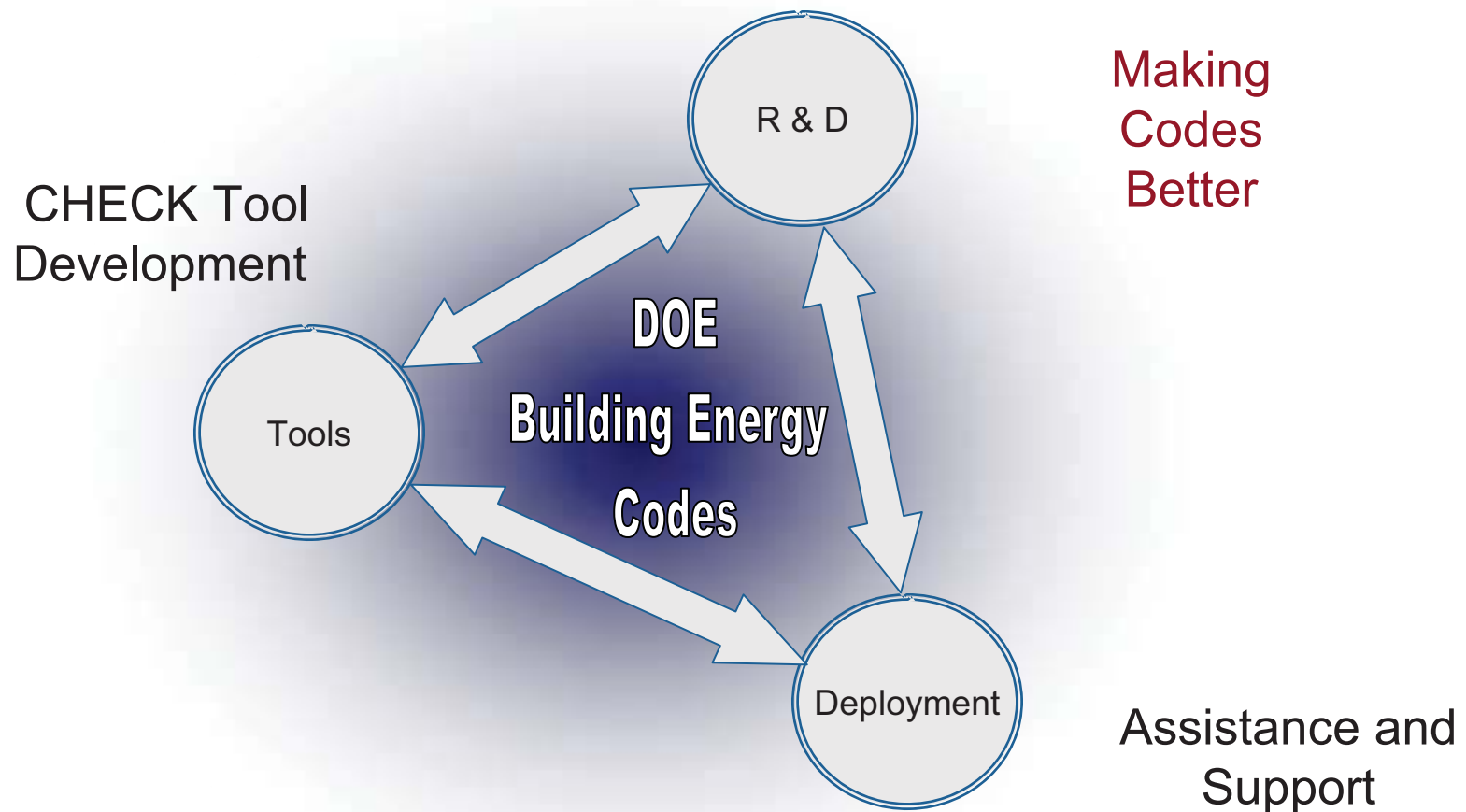
DOE's Goal

➤ Goal:

To improve energy efficiency of the Nation's buildings by promoting the adoption and implementation of stronger building energy codes

- Improve energy codes to make way for new technologies and better practices (R&D)
- Help states easily adopt, implement, and enforce improved code
 - Tool development (Implementation)
 - Assistance and support (Deployment)

Program Structure

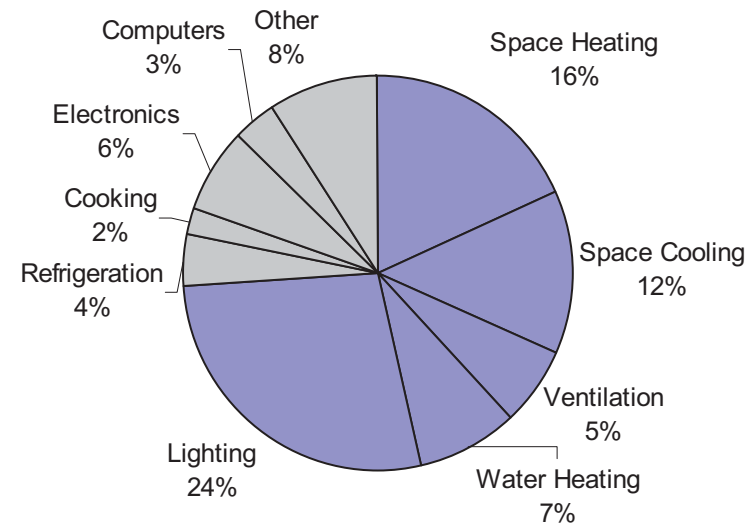


Technical Target

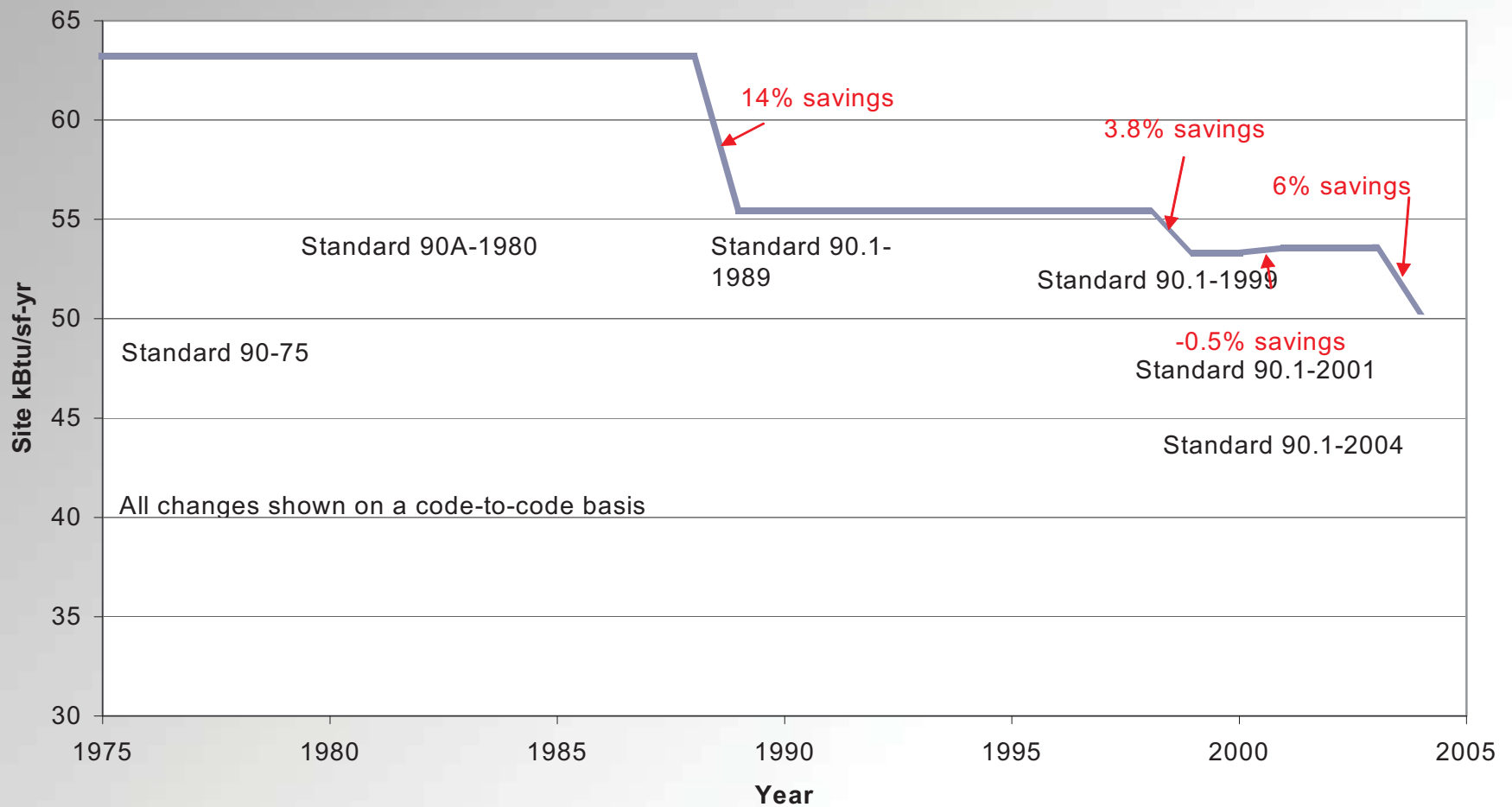
- DOE Joule target (internal performance metric) of 1% to 2% per year improvement in energy codes
 - Translates to 3% to 6% per code change cycle for the three-year cycle used for ASHRAE Standard 90.1.

Energy Use Splits in Commercial Buildings

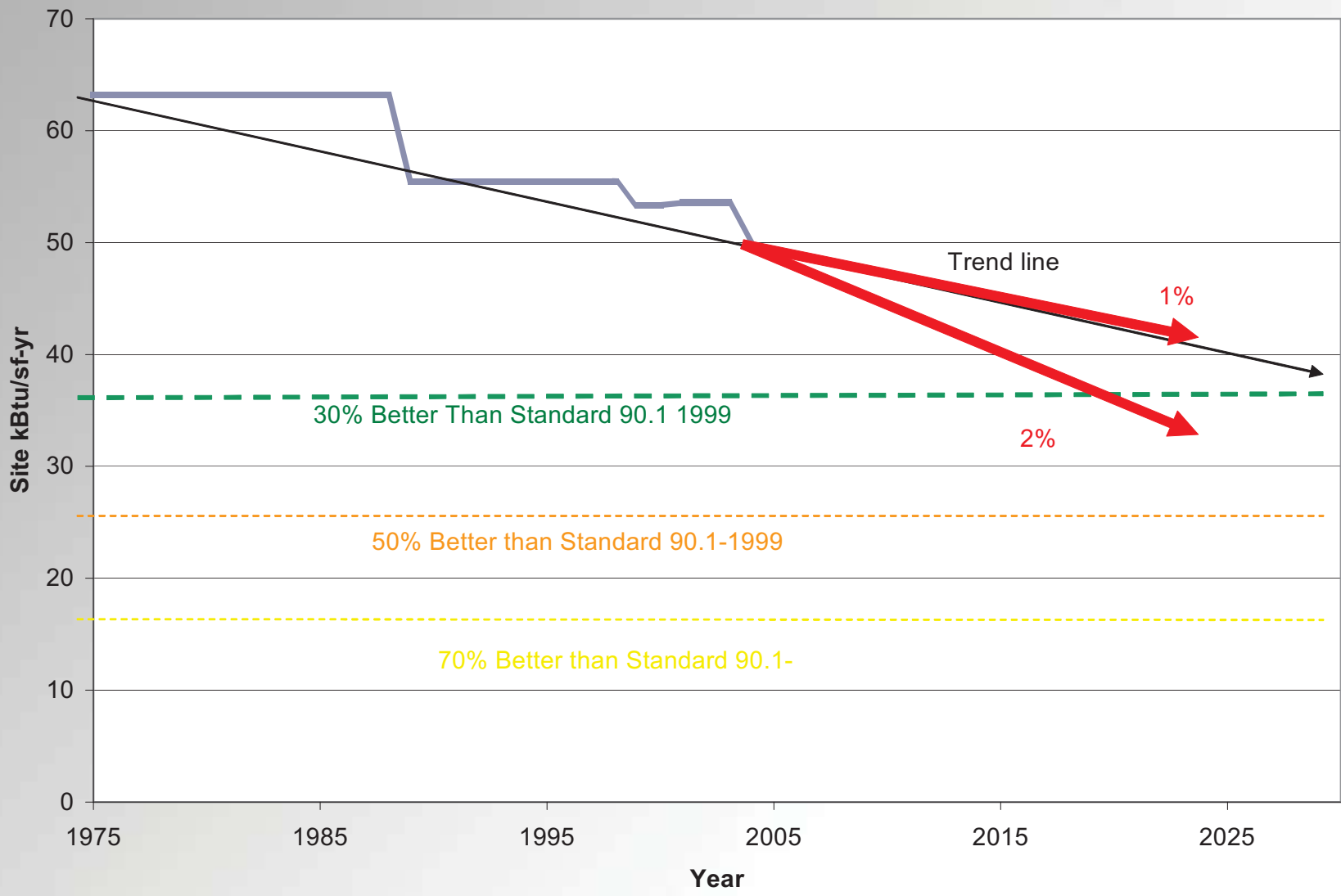
Source: Building Energy Data Summary 2002



Commercial Code Stringency Increase - 1975 to 2004



Where We Are Headed



The Question for Today's Session

- How should the energy efficiency of the Nation's commercial model energy codes be improved?

Topics in This Session

- What's happening within ASHRAE?
- What are states with advanced codes doing?
- What could and should be taken from “above code” programs?
- What about a tropical island code?
- How can you participate in the code change process?