

# Decision-Making in Existing Commercial Buildings

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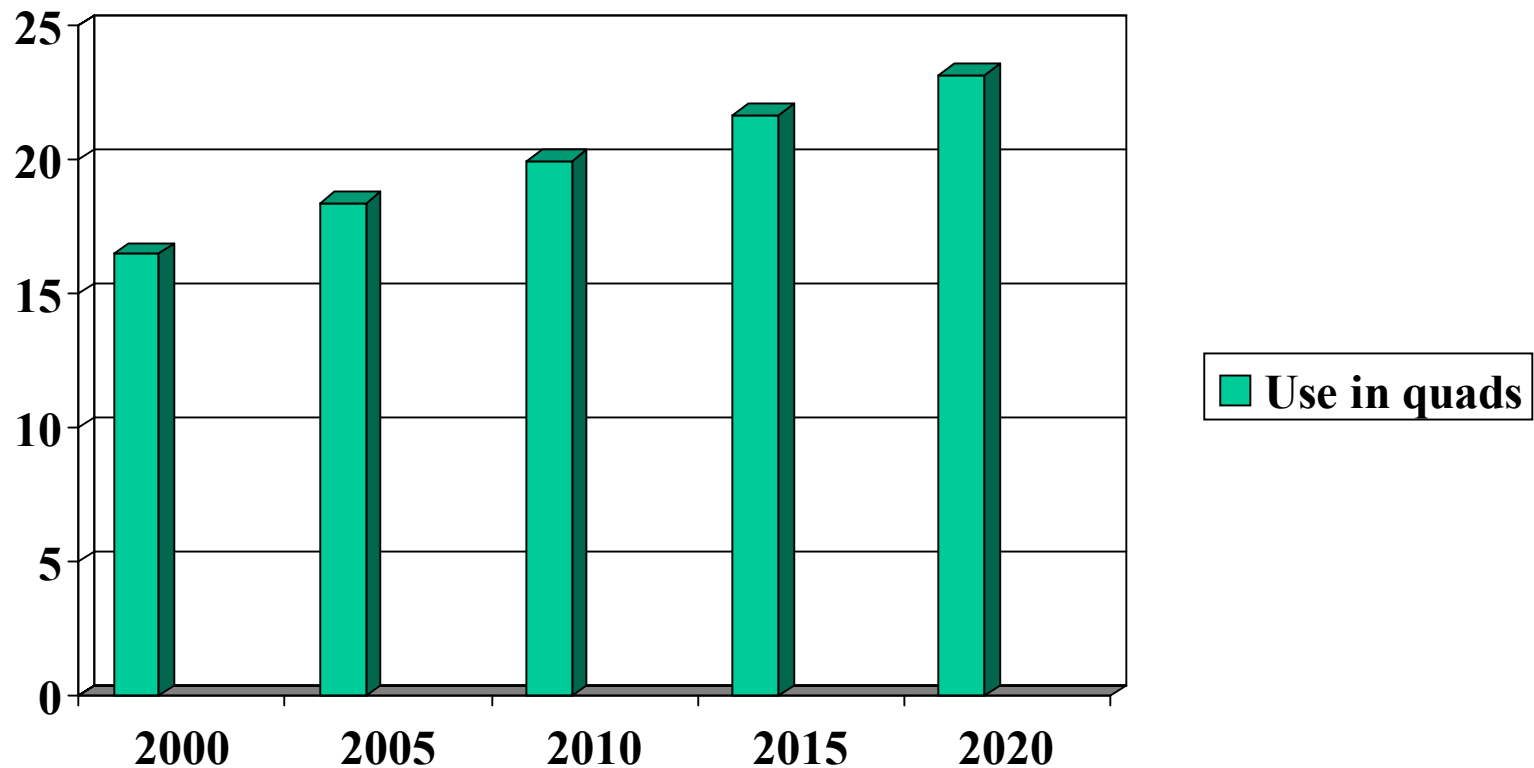
ACEEE

Washington, DC

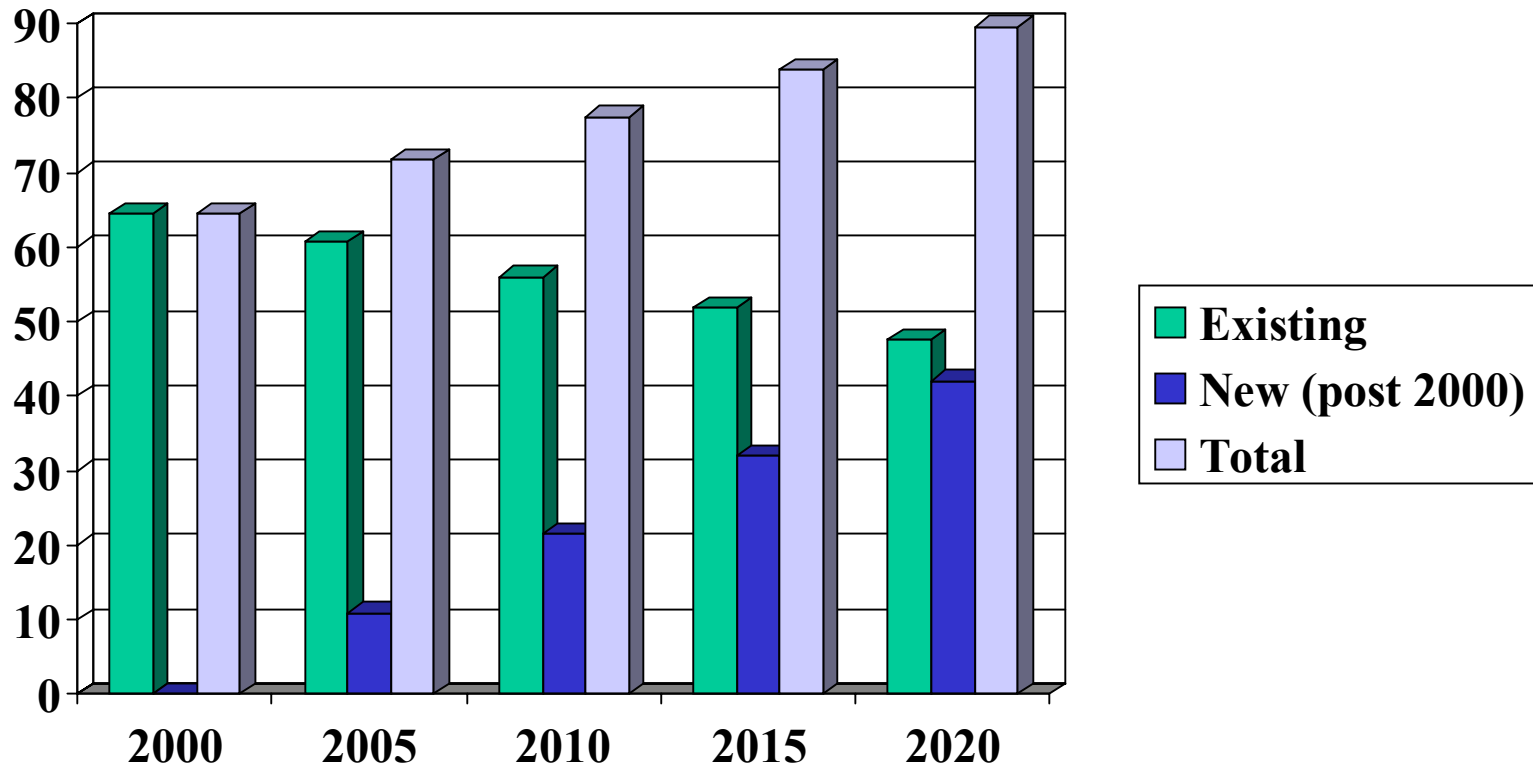
Nov. 7-8, 2002



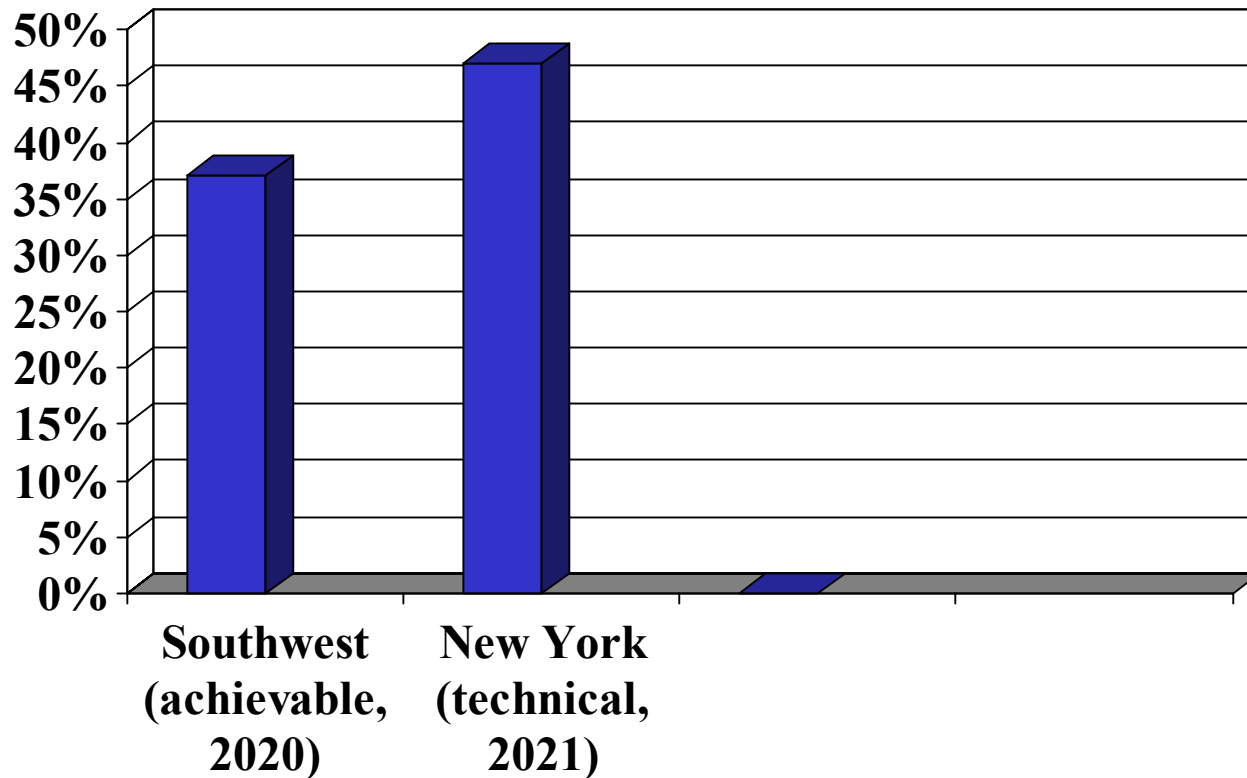
# Primary Energy Use in U.S. Commercial Buildings



# Existing Buildings As a Share of All Commercial Floor Area



# Recent Studies on Commercial Electric Savings Potential



# Technologies and Practices for Saving Energy

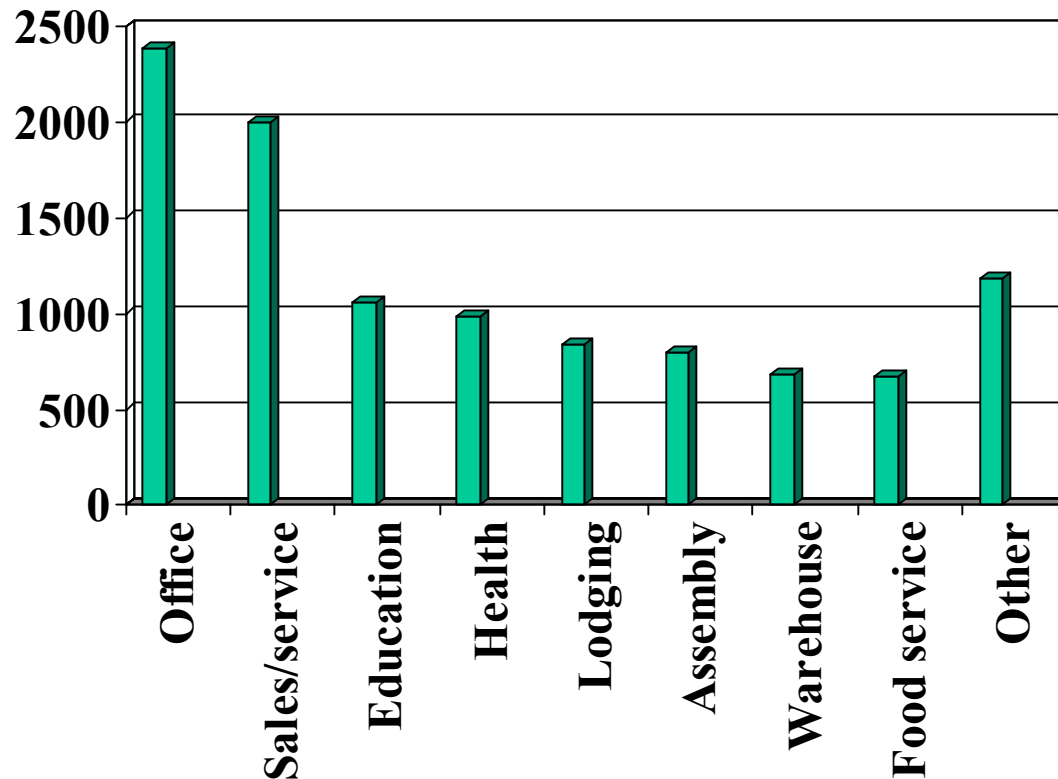
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- Lighting -- “super” T8, T5 indirect, metal halide spot lights, controls, good design
- HVAC -- high-efficiency chillers & packaged units, controls, good design
- Office equipment -- efficient equipment, power management
- O&M -- “retrocommissioning”, continuous commissioning

# Major Commercial Subsectors

## Primary Energy Use in 1995 (TBtu)



# Barriers

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- Energy typically only a few percent of building operating costs
  - Competition for limited time & resources
- Uncertainties -- what to do, will it work
- Non-energy benefits not adequately understood and documented

# This Workshop

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- Explore what we know
  - decision making; the market;  
providing impetus for change
- Initial presentations from experts
- Discussions on next steps
  - research; paradigms;  
program approaches/priorities