



Zero Energy Commercial Buildings Consortium

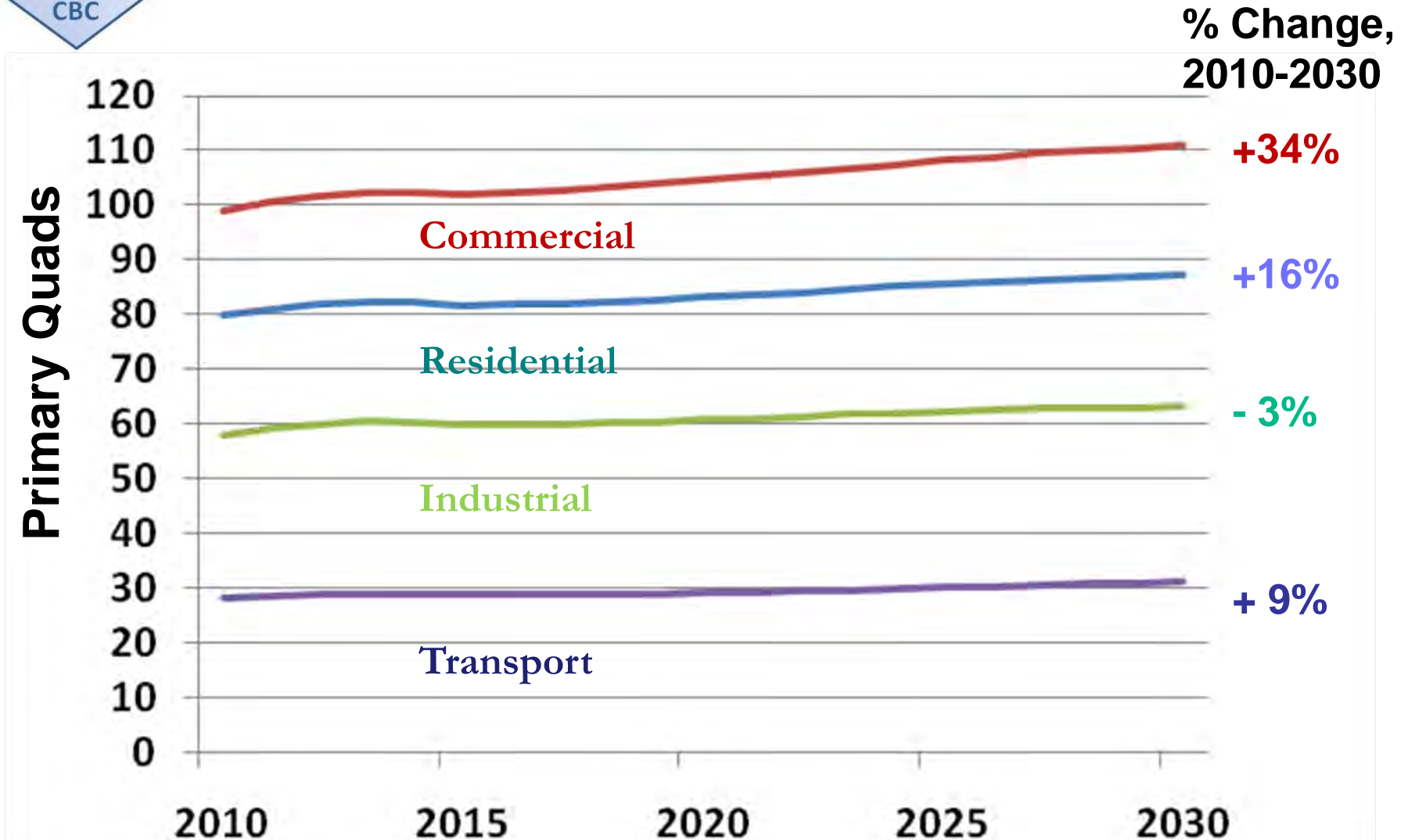
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Commercial Building Energy: Fastest Growth





Response: Net-Zero Energy Commercial Buildings Initiative

- 2007 Energy Independence and Security Act (EISA) §421-423
- Administered by U.S. DOE
- Government/industry partnerships
- Milestones:
 - 2030: NZE new commercial buildings
 - 2040: NZE for 50% of all commercial buildings
 - 2050: NZE for all commercial buildings



What is a “Net-Zero Energy Building?”

A high-performance building that is designed, constructed and operated to:

- Greatly reduce energy use (~80%)
- Meet remaining energy needs from renewable sources
- Be economically viable



DOE Net-Zero Energy Commercial Building Initiative

- Commercial Building Energy Alliances
- Commercial Building Partnerships
- National Laboratory Collaborative
- *Zero Energy Commercial Buildings Consortium (That's us...)*



Zero Energy Commercial Buildings Consortium

- Broad industry representation:
 - Design professionals
 - Development, construction, financial and real estate industries
 - Building owners and operators
 - Academic and research organizations
 - Building code agencies and organizations
 - High-performance green building organizations
 - Indoor air quality and intelligent buildings experts
 - Utility energy efficiency programs
 - Manufacturers and providers of equipment and techniques
 - Public transportation experts
 - Nongovernmental energy efficiency organizations



The Consortium Leadership



Energy Efficiency &
Renewable Energy





Consortium Tasks Overview

1. Project Management and Administration
 2. Identifying Potential Next-Generation Technologies
 3. Analysis of Cost and Non-Cost Barriers
 4. Collaboration with Industry Stakeholders
 5. Prepare and Disseminate Annual Summary Reports
- **Ultimate Goal**—Accelerate market transition to net-zero commercial buildings



Working Groups

Technologies & Practices

- Building Envelope
- Mechanical Systems and Controls
- Lighting, Daylighting and Controls
- Process, IT and Miscellaneous Equipment
- Grid and Micro-Grid Integration

Market & Policy

- Codes and Standards
- Integrated Design and Building Delivery
- Benchmarking and Performance Assurance
- Financing and Appraisal
- Voluntary Programs and Incentives
- Owner/Tenant Issues
- Workforce Development



Working Groups (cont.)

- Chaired by Steering Committee Members
- Regular group calls, bi-monthly and as needed
- Annual in-person meetings
- Members provide input on scope and direction
- Actively coordinates with other industry initiatives



How you can get involved: Become a Consortium Member

- Membership is open to everyone
- Active Membership:
 - Participate in one or more working groups
 - Contribute best practices and case studies
 - Review reports
 - Represent the Consortium at industry events
- Corresponding Membership:
 - Receive Consortium communications
 - Stay updated on Consortium activities



For More Information...

- Contact Diana Lin (dlin@ase.org) for more information on membership
- Contact Kate Marks (kmarks@naseo.org) for all other inquiries
- Visit us at www.zeroenergycbi.org