



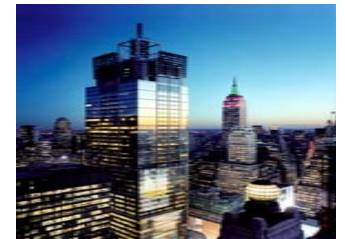
Energy Code of New York State

- THE CREATION OF THE STATE ENERGY CODE
 - Energy Law - 1976
 - Energy Code -1979
 - **NEW YORK STATE'S INITIATIVE IN ENERGY CONSERVATION FOR FUTURE GENERATIONS**

- ENERGY CONSERVATION.



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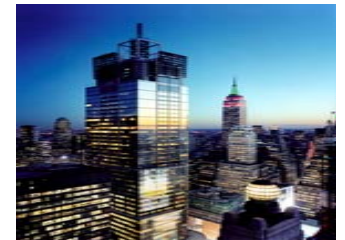


Codes of New York State

- BACKGROUND ON THE REGULATIONS FOR BUILDING AND ENERGY CODES;
 - ARTICLE 18 BUILDING CODE ACT
 - ADOPT, AND ENFORCE A UNIFIED STATE FIRE PREVENTION AND BUILDING CONSTRUCTION CODE
 - METHODS OF PERMITTING AND INSPECTION
 - REQUIRMENTS FOR TRAINING OF CODE OFFICIALS



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The New York State Energy Conservation Construction Code

- NEW YORK STATE SAW THE NEED TO;
 - STANDARDIZE WITH NATIONAL CODE AND STANDARDS
 - BECOME MORE GLOBALLY INTERACTIVE
- NATIONAL MERGER OF THREE OF THE MAJOR CODES
 - BOCA, SBCCI, UNIFORM CODE
 - ICC Formation 1994-1998
 - MERGER RESULTED IN THE ICC, OR THE INTERNATIONAL CODE COUNCIL
- ECCCNYS is based on the International Energy Code (IECC),



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New York Participation in International Codes

- **New York State has been an active member in International Code Council since 1998.**
- **12 Voting members for Final voting action on ICC changes (12 in Codes, 12 in Fire Services)**
- **NYS has been successful in guiding multiple code changes at the ICC level**



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New York State Codes Infrastructure

- **Support of the Code Process in New York State**
 - Sizable infrastructure of 50 + personnel in the codes division supporting the code process in a team effort
 - Technical assistance / code interpretation
 - Training
 - Code advancement
 - Direct regional support of municipalities
 - Municipalities have 5000 inspectors statewide.



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Energy Code -Current

- Current NYS Energy Code 2007 is IECC based;
 - Modified by Energy Subcommittee appointed by New York State Codes Division;
 - Requirements of the NYS Energy Law and NYS policies
 - Subcommittee enhancements improve the model code



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NY STATE SUBCOMMITTEE PROCESS

- **A Technical Subcommittee is ;**
 - A formation of experts on each code:
 - A diverse cross-section of industry professionals
- **Study/amend the IECC Model Code for NYS**
 - Diverse group involving
 - Architects/ Engineers
 - Experience from Industry
 - Energy Experts
 - Task groups/committees



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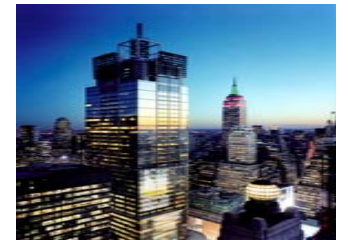


SUBCOMMITTEE PROCESS

- Subcommittee in response to public comment modified ECCNYS-2007 code to add;
 - Trade off for;
 - ACH 50 Blower Door test.
 - CFM 25 Duct Blaster test.
 - Equipment efficiency tradeoff (Requiring boiler modulation control).



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Partnering and Transparent Government Consensus Code process

- **New York State Codes Division works toward Code co-ordination and consensus with;**
 - Northeast Energy Efficiency Partners
 - NYSBOC New York State Building Officials Council
 - NYSBA New York State Builders Association
 - NYSERDA
 - BCAP
 - RECA



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The Codes of New York State

- **New York State Codes Division Training Unit provides Code Training on updated Codes;**
 - 5000+ Code Officials – 24 hours of annual training required
 - 10,000 people have been through the basic training process
 - In-House technical staff and field staff
 - New York State Building Officials Council
 - AIA and Engineers organizations (ASHRAE)



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The Codes of New York State

- **New York State Energy Unit Codes Division (through DOE grant funds) has coordinated administration of Code Training for;**
 - NYSBOC Code official organizations
 - Architects and Engineering Groups
 - Mayors Town/City Planners, Zoning Regulators
 - In House Technical staff and Field personnel



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Website Training

- **Specialized training in Building Science, Commercial envelope, Electrical/lighting, HVAC systems and Residential Energy Code**
- **Sessions will be professionally filmed and web hosted for online training and grading for credit bearing courses.**



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Challenges/ Opportunities

● Challenges

- Advising on a green building standard
- Some Green Standards;
 - Have many non-energy standards
 - Have few specific building energy considerations
 - Are not formulated in Code Language
 - Affect code requirements outside of the Energy Code
 - May not encourage the use of non- fossil fuels
 - Have pre-requisites which affect building, zoning, fire protection codes/ requires major code co-ordination.



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Challenges/ Opportunities

● Challenges

- Convincing people to build differently than they are accustomed to building.
- New/different materials and techniques present a challenge for Builders/CEO
- People like doing what they are accustomed to doing.
- Builder's delays = increased cost
- Builders and CEO uncomfortable with change



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