



PUBLIC WORKS & ENGINEERING
DEPARTMENT



BUILDING CODE ENFORCEMENT

Transportation, Technology & Infrastructure Committee

International Energy Conservation Code Commercial/ASHRAE

October 6, 2016



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BUILDING CODES - HOUSTON PROCESS

- ◆ **BUILDING OFFICIAL REQUEST TO CONSTRUCTION INDUSTRY COUNCIL (CIC)**
- ◆ **CIC COMMITTEES**
- ◆ **RECOMMENDATION FROM CIC TO THE CITY**
- ◆ **CITY COUNCIL COMMITTEE**
- ◆ **CITY COUNCIL**
- ◆ **MINIMUM 30 DAYS AFTER COUNCIL APPROVAL. (STATE LAW)**



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CONSTRUCTION INDUSTRY COUNCIL (CIC)

- ◆ **CREATED BY CITY COUNCIL IN 1957**
- ◆ **REPRESENTS ASSOCIATIONS WHICH ARE PROFESSIONALLY, FINANCIALLY OR MANAGERIALLY RESPONSIBLE FOR BUILDING CONSTRUCTION AND LIFE SAFETY ASSOCIATED WITH MAN-MADE STRUCTURES**
- ◆ **LARGE EXTENT VOLUNTEER HOURS**



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CONSTRUCTION INDUSTRY COUNCIL (CIC)

◆ ASSOCIATIONS:

Air Conditioning Contractors Association / American Fire Sprinkler Association
Association of Chief Operating Engineers / American Forest & Paper Association
American Society of Heating, Refrigeration and Air Conditioning Engineers
American Institute of Architects / American Society of Plumbing Engineers /
American Society of Sanitary Engineers / Associated General Contractors /
Associated Builders and Contractors / Building Owners and Manager Association /
Construction Specifications Institute / Greater Houston Builders Association / Greater
Houston Restaurant Association / Gulf Coast Building & Construction Trades
Association Houston Apartment Association / Houston Area Glass Association /
Houston Contractors Association / Houston Real Estate Council / Houston Sheet Metal
Contractors Association / Independent Electrical Contractors / Institute of Real
Estate Management / Mechanical Contractors Association / National Association of
the Remodeling Industry / National Electric Contractors Association / National Fire
Sprinkler Association / Plastic Pipe and Fitting Association / Plumbing, Air
Conditioning and Mechanical Contractors Association / Plumbing Heating Cooling
Contractors / Society of Fire Protection Engineers / Structural Engineers Association
of Texas / Texas Electrical Safety Association / Texas Fire Sprinkler Contractors
Association / Texas Institute of Building Design / Texas Society of Professional
Engineers / US Green Building Council / City of Houston Code Enforcement / Houston
Fire Department



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2015 INTERNATIONAL ENERGY CONSERVATION CODE – COMMERCIAL/ASHRAE

- ◆ **IECC - Increased insulation requirements for most assemblies**
- ◆ **IECC - Reduces max vertical fenestration area from 40% in 2009 IECC to 30% in 2015 IECC**
- ◆ **IECC - Reduces max u-factor for windows**
- ◆ **IECC - New requirements for walk-in coolers, freezers and refrigerated display cases**



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2015 INTERNATIONAL ENERGY CONSERVATION CODE – COMMERCIAL/ASHRAE

- ◆ IECC - New requirements for water heating systems
- ◆ IECC - Additional requirements for lighting controls, sensors and daylighting controls
- ◆ IECC - New requirements for vertical and horizontal transportation systems
- ◆ IECC - New section requiring the designer to choose one of six energy code options for additional efficiency



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2015 INTERNATIONAL ENERGY CONSERVATION CODE – COMMERCIAL/ASHRAE

- ◆ IECC - Expansion of commissioning requirements and documentation
- ◆ IECC - New chapter containing regulations for compliance in existing buildings, additions, renovations, alterations and historic buildings
- ◆ ASHRAE - New requirement for automatic receptacle control in some occupancies
- ◆ ASHRAE - Electrical energy monitoring now required



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RECOMMENDATION

***ADOPT ORDINANCE TO UPDATE VERSIONS OF THE
INTERNATIONAL ENERGY CONSERVATION CODE -
COMMERCIAL PROVISIONS AND ASHRAE 90.1, WITH
PROPOSED LOCAL AMENDMENTS***



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QUESTIONS ?