



WFTA0

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Presented by
Michael Beaton, P.E.
ICC Evaluation Service, LLC



International Code Council

- Non-profit membership organization
- Develop and maintain codes and standards
- Membership
- Publications
- Education
- Product evaluation and certification (ICC-ES)
- Laboratory and Inspection Agency Accreditation (IAS)





ICC Evaluation Service (ICC-ES)

- Non-profit company
- Formed to ease the burden of the code officials
- 62 staff (32 technical) in 3 offices
- 1500 reports
- 900 companies



“Green” Codes and Standards in the US



Codes and Standards



- **Remain “voluntary” until state or local jurisdiction mandates otherwise.**
- **Only jurisdictions can decide** whether to enforce codes, standards and rating systems on a voluntary or mandatory basis.

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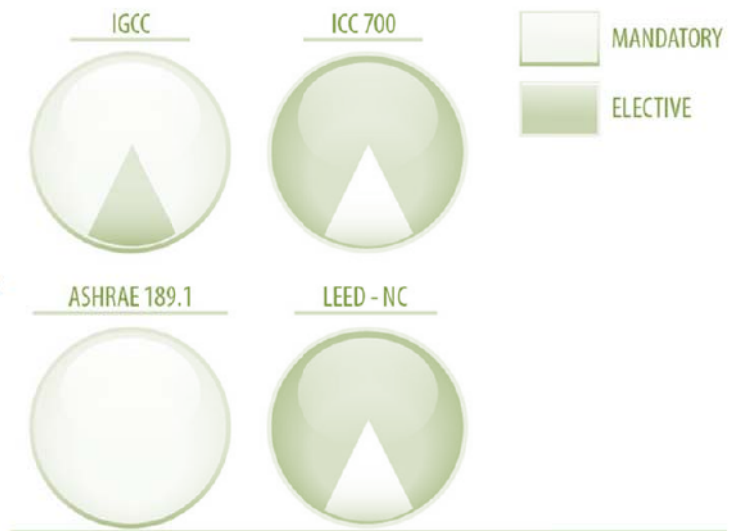
Introducing the IgCC



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Mandatory vs. Elective Provisions

- The IgCC is composed primarily of **mandatory** requirements.
- **Rating systems** are composed primarily of **elective** provisions.



Comparison of leading building codes, standards and voluntary programs



The Purpose of the IgCC

Because it is written in mandatory language, the IgCC is positioned to **produce environmental benefits on a massive scale**—which is nearly impossible to attain with purely voluntary programs.



Development

IgCC cooperating sponsors:



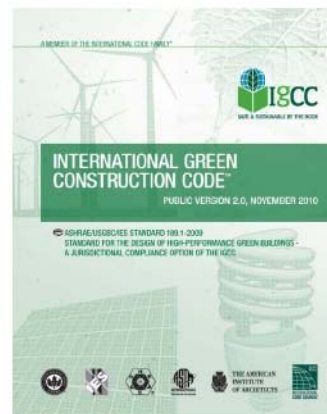
IgCC references ASHRAE 189.1, as developed by:



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Design of the IgCC

- Consistent with the other I-Codes, protects public health, safety, and welfare.
- Is an overlay code.
- Relies on the foundation provided by other I-Codes to provide communities with buildings that are safe and sustainable.



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How did we get here?



- For measurable progress to occur, **we needed to build upon the regulatory framework that only codes provide.**
 - Has the best chance of truly being enforced at the local level.
 - Carries with it the input of multiple disciplines.
- The alliance of prominent organizations behind the IgCC makes a strong statement regarding its importance.

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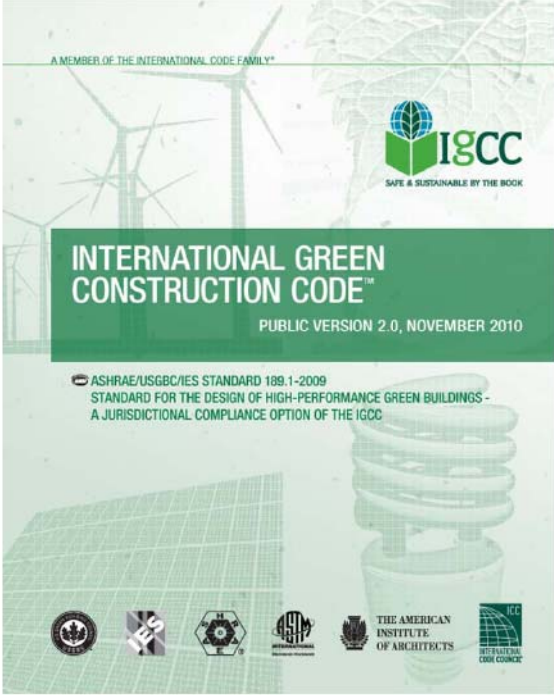
How did we get here?



- **Code officials** want sustainable and enforceable green requirements that are coordinated with other codes.
- **Architects** want a green construction code that will guide their design activities, similar to the other I-Codes.
- **Engineers, contractors, manufacturers and standards experts** want a code that reflects appropriate attention to consensus process, enforceability, science and metrics.

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Elements of the IgCC



Chapter 4 Site Development and Land Use - Intent

- Chapter 4 contains requirements for the development and maintenance of buildings and building sites which **are intended to promote natural resource conservation and environmentally responsible land use and development.**



Chapter 5 Material Resource Conservation and Efficiency Intent

- Chapter 5 contains provisions that require and encourage building **material conservation, resource efficiency and environmental performance.**



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Chapter 6 - Energy Conservation, Efficiency and Atmospheric Quality Intent

- The intent of this chapter is to ensure the effective use of energy by buildings and building sites.
- This chapter provides flexibility to permit the use of innovative approaches and techniques to achieve the effective use of energy.



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Chapter 7 - Water Resource Conservation and Efficiency Intent

Chapter 7 requires and encourages the conservation of water used indoors, outdoors and in waste water conveyance.



- Seeks water efficiency regardless of the source.
- Encourages the use of lower quality water wherever possible and permissible.

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Chapter 8 – Indoor Environmental Quality and Comfort, Intent

- Chapter intends to provide for an interior environment that is conducive to the health and well-being of building occupants, neighbors and construction personnel.



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Chapter 9 – Commissioning, Operation and Maintenance Intent

- Chapter 9 is intended to facilitate the pre- and post-occupancy commissioning, operation and maintenance of buildings constructed in accordance with the IgCC and to educate the building owners and maintenance personnel with regard to related best operating and management practices.



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ICC-ES SAVE™ Program

We study the “rules”

*And “translate” into evaluation guidelines**



EVALUATION GUIDELINE FOR DETERMINATION OF RECYCLED CONTENT OF MATERIALS

(EC101)

Effective date: October 1, 2008

(Editorially revised July 2005)

Previous version: None

This evaluation guideline has been issued to provide interested parties with information on the requirements for obtaining an ICC-ES Evaluation of Materials Report (EMR). An ICC-ES EMR involves independent verification of a manufacturer's environmental claims and product attributes. This guideline addresses the production stage of the report content, beginning with raw material acquisition through final manufacturing and packaging. This guideline is effective as of the date indicated below and may be amended from time to time.

ICC-ES shall comply with the guidelines in effect on the date of issuance or rescission of this report. Any technical changes to the guideline will be marked within the guideline. A solid vertical line shall be placed in the margin within the guideline to indicate a technical change, addition, or deletion from the previous edition, a revised technical line shall be placed in the margin where wording has been deleted if the deletion involved a technical change.

ICC-ES may consider alternate approaches to those contained in this guideline, provided the applicant submits valid data demonstrating that the alternate approach is an equal or superior to the requirements set forth in this guideline, subject to approval by ICC-ES staff notwithstanding that a product, material, or type or method of construction meets the requirements set forth in this guideline, or that it can be demonstrated that such alternate approaches are equivalent to the requirements in this guideline. ICC-ES retains the right to refuse to issue or re-issuance a new, the product, material, or type or method of construction is such that other related data with its application or use must be accepted for applicant performance, or manufacturing to meet other governmental agencies' approval or approval from or systems relative to the benefits to be achieved by the use of the product, material, or type or method of construction.

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**Where needed (some provisions are self-explanatory)*

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ICC Evaluation Service SAVE™ Program

Sustainable
Attributes
Verification and
Evaluation



- The ICC-ES SAVE™ Program provides independent verification of manufacturers' claims about the sustainable attributes of their products
- Successful evaluation under this program results in a Verification of Attributes Report™ (VAR™)

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