



Georgia State Amendments to the International Energy Conservation Code (2009 Edition)



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**GEORGIA STATE MINIMUM STANDARD ENERGY CODE
(INTERNATIONAL ENERGY CONSERVATION CODE
WITH GEORGIA STATE SUPPLEMENTS AND AMENDMENTS)**

The INTERNATIONAL ENERGY CONSERVATION CODE, 2009 Edition, published by the International Code Council, when used in conjunction with these Georgia State Amendments and all other Georgia State Amendments to the INTERNATIONAL ENERGY CONSERVATION CODE, 2009 Edition, shall constitute the official *Georgia State Minimum Standard Energy Code*.

GEORGIA STATE SUPPLEMENTS AND AMENDMENTS

SCOPE:

Each chapter of these Georgia State Supplements and Amendments corresponds with a chapter of the *International Energy Conservation Code (IECC)*.

- Chapter 1: Administration.
- Chapter 2: Definitions.
- Chapter 3: Climate Zones.
 - “Climate zones from Figure 301.1 or Table 301.1 shall be used in determining the applicable requirements from Chapters 4 and 5...”
- Chapter 4: Residential Energy Efficiency.
 - Compliance Pathways for Low-Rise Residential Construction:
 - Any of those delineated in this chapter; or
 - *REScheck*¹
- Chapter 5: Commercial Energy Efficiency.
 - Compliance Pathways for Commercial and High-Rise Residential Construction:
 - Any of those delineated in this chapter; or
 - *COMcheck*¹
- Chapter 6: Referenced Standards.
- Appendices A-D
 - Throughout the appendices there is information that may be helpful in meeting and understanding the *Georgia State Minimum Standard Energy Code*. In cases of conflict, refer to the *IECC* for clarification.

1. *REScheck* and *COMcheck* are computer programs developed by Pacific Northwest National Laboratories for the U.S. Department of Energy (D.O.E.) to assist in demonstration of compliance with the *IECC*. They may be obtained free of charge from the D.O.E. online at www.energycodes.gov. When following the *REScheck* compliance pathway, select the Georgia Version. When following the *COMcheck* compliance pathway, select the Georgia Version (based on *ASHRAE/IESNA Standard 90.1-2007* [with Georgia State Supplements and Amendments to the 2009 *IECC*]).

The ‘Mandatory’ requirements of the *IECC* apply to all compliance methods.

Where these Georgia State Supplements and Amendments conflict with either the *IECC* or *ASHRAE/IESNA Standard 90.1*, these Georgia State Supplements and Amendments shall take precedence.

Air infiltration accounts for substantial heat loss, heat gain and moisture migration in a building. Proper sealing around all doors, windows and other envelope penetrations through the walls, ceiling and foundation is as important to code compliance as are proper insulation R-values and component U-factors.

It is not the intention of this code to abridge safety or health. Where the *IECC* and these Georgia State Supplements and Amendments conflict with other mandatory *State Minimum Standard Codes*, the *IECC* and these Georgia State Supplements and Amendments shall be enforced as written; provided, safety, health or environmental requirements of other mandatory *State Minimum Standard Codes* are not abridged.

APPENDICES:

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the authority having jurisdiction.

GEORGIA STATE MINIMUM REQUIREMENTS FOR HIGH EFFICIENCY COOLING TOWERS

Cooling towers installed in new construction permitted on or after July 1, 2012 shall be in compliance with ASHRAE, Standard 90.1.

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**Revise the International Energy Conservation Code, 2009 Edition, as follows:*

**CHAPTER 1
ADMINISTRATION**

**SECTION 101
SCOPE AND GENERAL REQUIREMENTS**

*Add new Section 101.5.3 ‘Requirements for high efficiency cooling towers’ as follows:

101.5.3 Requirements for high efficiency cooling towers. Cooling towers installed in new construction shall be in compliance with ASHRAE, Standard 90.1.
(Effective July 1, 2012)

**CHAPTER 2
DEFINITIONS**

**SECTION 202
GENERAL DEFINITIONS**

* Add new definition for ‘Cooling Tower’ to read as follows:

COOLING TOWER. A building heat removal device used to transfer process waste heat to the atmosphere.
(Effective July 1, 2012)

**CHAPTER 5
COMMERCIAL ENERGY EFFICIENCY**

**SECTION 503
BUILDING MECHANICAL SYSTEMS**

* Revise Section 503.4.3.3.2 ‘Heat rejection’ to read as follows:

503.4.3.3.2 Heat rejection. Heat rejection equipment shall comply with Section 503.4.3.3.2.1 and 503.4.3.3.2.2. The standards related to high efficiency cooling towers shall include without limitation the minimum standards prescribed by ASHRAE, Standard 90.1.

Exception: Where it can be demonstrated that a heat pump system will be required to reject heat throughout the year.
(Effective July 1, 2012)

End of Amendments.