

**2018 INTERNATIONAL ENERGY
CONSERVATION CODE® AND
ANSI/ASHRAE/IES STANDARD 90.1-2016:**

ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE
RESIDENTIAL BUILDINGS



2018 International Energy Conservation Code® and ANSI/ASHRAE/IES Standard 90.1–2016
Energy Standard for Buildings Except Low-Rise Residential Buildings®

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International Code Council, Inc.
500 New Jersey Avenue, NW, 6th Floor
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and

ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

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FOREWORD

With energy efficiency and green construction remaining high on the national and global construction agenda, the International Code Council® (ICC®) and ASHRAE have once again collaborated to update their popular joint publication that offers users the latest requirements for energy efficiency for both residential and commercial construction. This updated edition, which combines into one volume the 2018 *International Energy Conservation Code*® (IECC®) and ANSI/ASHRAE/IES Standard 90.1-2016, *Energy Standard for Buildings Except Low-Rise Residential Buildings* (ASHRAE 90.1), continues the success that began with the initial combined publication released in 2009. This effort has been a positive step forward on the part of both organizations to increase awareness and effective application of energy-efficient criteria in building design.

The original publication came about as a direct result of the American Recovery and Reinvestment Act of 2009 (ARRA), passed in February 2009. ARRA was designed to stimulate economic recovery by providing stimulus funding to various sectors of the economy and to accomplish a policy goal of creating more energy-efficient buildings.

There is almost universal agreement that increasing the energy efficiency of buildings is a simple and effective way to reduce overall energy use and, ultimately, reduce carbon emissions. More than 70 percent of all electricity in the United States, and about 40 percent of the total energy worldwide, is consumed by residential and commercial buildings. Consequently, even small increases in building efficiency result in big reductions of energy and carbon emissions.

Both ICC and ASHRAE are proud of the processes they administer to produce the *International Energy Conservation Code* and ANSI/ASHRAE/IES Standard 90.1. Experts, government officials from all levels and industry representatives who manufacture, service and maintain the systems and products that go into energy-efficient buildings come together, using open and transparent processes, to produce documents that are respected and usable by all communities.

These two documents are recognized by the federal government, in legislation enacted in 2003, 2005, 2007 and 2009, as the benchmarks for the energy efficiency of residential and commercial buildings. They address the same issues and, because both may overlap in their coverage of building systems and designs, it makes sense to publish these two documents together—for the benefit of building designers, engineers and building code compliance personnel. In some cases, having both documents in one place will make it easier to choose between different design options. In all cases, this dual edition will make it easier to ensure that newly built and renovated buildings are in compliance with the latest references available, from local requirements to those continuing the federal goal of higher energy efficiency in all types of buildings.

Mark A. Johnson

Executive Vice President and Director of Business Development
International Code Council, Inc.

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