

ANSI/ASHRAE Addendum 90.2/

Addendum to ANSI/ASHRAE Standard 90.2-1993



ASHRAE[®] STANDARD

Addendum / to

Energy Efficient Design of New Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee June 23, 2001; by the ASHRAE Board of Directors June 28, 2001; and by the American National Standards Institute September 17, 2001.

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(This foreword is provided for information only and is not part of the draft addendum.)

Foreword

Draft Addendum 90.2I – Publication Draft. As the standard is rewritten into a code-enforceable format, the issue of how the requirements are to be applied to existing buildings needs to be addressed. One concern is that the requirements may be adopted as a portion of a building code and be automatically applied to additions and alterations. The 90.2 standard was developed for new buildings and some direction needs to be added to avoid problems in application.

A similar expansion of the TPS has already been approved for the 90.1 Energy Standard for Buildings Except Low-Rise Residential. The following revisions would change the 90.2 TPS to be consistent with that of the 90.1 standard but also make it clear that there are no requirements for additions or alterations to existing buildings in the 90.2 standard.

Addendum 90.2I

Change ANSI/ASHRAE 90.2-1993 as follows:

Energy Efficient Design of ~~New~~ Low-Rise Residential Buildings

1. PURPOSE

The purpose of this standard is to provide minimum requirements for the energy-efficient design of residential buildings. ~~This standard provides design requirements for energy efficient new residential buildings.~~

2. SCOPE

2.1 ~~This standard sets forth design requirements~~ provides minimum energy efficiency requirements for the design and construction of:

- (a) new residential dwelling units for human occupancy and their systems, and
- (b) where explicitly specified:

- 1. new portions of residential dwelling units and their systems, and
- 2. new systems and equipment in existing dwelling units.

Note: there are no requirements in this standard that apply to new portions of residential dwelling units and their systems, nor to new systems and equipment in existing dwelling units.

For the purposes of this standard, "residential dwelling units" include single houses, multi-family structures (of three stories or fewer above grade), manufactured houses (mobile homes), and manufactured houses (modular). This standard does not include "transient" housing such as hotels, motels, nursing homes, jails, and barracks.

2.2 ~~This standard covers~~ applies to the building envelope, heating equipment and systems, air-conditioning equipment and systems, domestic water-heating equipment and systems, and provisions for overall building design alternatives and trade-offs.

2.3 Two paths are provided for compliance: the prescriptive requirements method and the annual energy cost method (systems analysis approach).

2.4 This standard does not ~~cover~~ apply to:

- (a) specific procedures for the operation, maintenance and use of residential buildings,
- (b) portable products such as appliances and heaters, and
- (c) residential electric service or lighting requirements.

2.5 This standard shall not be used to abridge any safety, health or environmental requirements.