NGBS Scoring for New Construction
ICC 700-2008 National Green Building Standard™

Revised August 17, 2011

This project has not met all the requirements for Bronze, Silver, Gold, or Emerald.

	Current Status		Performance Level Minimums			
	Score	**Mandatory**	**Bronze**	**Silver**	**Gold**	**Emerald**
This Project	0	Not Met	222	406	558	697

Copyright

Version

This workbook may be updated periodically. Before scoring a project, always check to see if you have the latest version.

Go to http://www.nahbgreen.org/ScoringToolSpreadsheet.aspx to download the latest version of the NGBS Scoring for New Construction spreadsheet.

Last revision: **August 17, 2011** *See the Errata worksheet for a list of versions & corrections.*

Introduction

This workbook allows you to score your new single-family or multi-unit green building projects to the ICC 700-2008 National Green Building Standard™. Use of the NGBS Scoring workbook (or the online Green Scoring Tool) is the required entry point for National Green Building Certification. This workbook is intended to be used in conjunction with the publications *ICC 700-2008 National Green Building Standard™* and *National Green Building Standard Commentary™* .

General Project Description

Please fill in the information below. All fields are required unless marked otherwise. This information may be used to pre-populate fields and aid in scoring decisions in this tool. It may also be used for statistical reasons. Your privacy is important to us, and your information will not be shared or sold outside of the NAHB Research Center or National Association of Home Builders.

Builder Name:

Builder Phone Number:

Physical Address of Home: **City:**   **State:**   **Zip:**

Community/Lot #:

The project I am scoring is: **If Multi-Unit, enter # of units:**

Project's Climate Zone: See Climate Zone Map.

Square Footage: s.f.

For a multi-unit building, use a weighted average of the individual unit sizes.
The Additional Points required to reach Bronze, Silver, Gold, or Emerald will increase by 1 point for every 100 square feet over 4,000.

Dwelling unit size is to be calculated in accordance with ANSI Z765-2003. Only the conditioned floor area for stories above grade plane is to be included in the calculation.

Project Description (optional):

HERS Index (optional):

Instructions

This is an indication to enter a value. Be advised to click the cell first, since some measures are offered in a dropdown list.

This indicates a calculation. This type of cell will calculate points based on data entered in other cells. Do not try to enter a value in this type of cell.

This indicates scoring tool logic has been violated somehow. Check all instructions and warnings, make sure multiple values have not been chosen when only one is required, and do not enter data in fields marked as "off limits".

This indicates a Mandatory practice. "Met" or "N/A" must be selected for the cell to change from yellow to blue, and meet the mandatory conditions for certification.

This indicates a special warning or instruction for scoring. Read all cells like this very carefully.

This indicates a field that is "off limits". A value should not be entered because a special condition has been met (such as Alternative Bronze, Performance or Prescriptive Path in Chapter 7, or not met yet (such as choosing Single-Family or Multi-Family in the General Project Description above).

This indicates an area to enter additional information about a practice. This additional information is required to aid in verifying the project for certification.

This identifies practices that are required for the Builders Challenge (see details below).

The NGBS Scoring for New Construction workbook is based on the ANSI approved ICC-700-2008 National Green Building Standard™. It is intended for builders, designers, and other professionals who are interested in pursuing National Green Building Certification through the NAHB Research Center. It was specifically designed to work with the Verification Report, which is distributed to accredited verifiers of the National Green Building Certification program.

Filling out the fields in the **General Project Description** section BEFORE starting to score a project is strongly recommended. This information will aid in decision making throughout the tool, and will be used by verifiers and the NAHB Research Center during the certification process.

The scoring status is available at the top of each worksheet for Chapters 5-10. This is for reference only. Review the **Scoring Analysis** worksheet carefully for a detailed report of your project's status.

The **Approved Products** column displays links when Green Approved Products are available for practices. Click "See Products" to review relevant products on the Green Approved Products website. An internet connection is required.

The **Notes** column allows for personal comments for each practice. Use these fields to flag practices, ask questions, or any other reason. If more room is needed to enter text in a Notes field, expand the row height. **The Notes fields do not affect scoring.**

The **Designer's Report** worksheet does not allow for any data entry: it is a reflection of the data recorded in the worksheets for Chapters 5-10 and the *Start Here!* page. It also reports scoring errors and missing Mandatory conditions. To change the data on the Designer's Report, you must make your changes on the worksheets for Chapters 5-10 and the *Start Here!* page.

For advanced users of Excel, **filtering** has been incorporated into the Designer's Report. If you are not familiar with filtering in Excel, please see the Help option for the Excel software.

This spreadsheet is saved at a default magnification of 84%. If the widths of the worksheets do not fit on your computer screen, adjust the magnification or zoom in Excel until it is a size that works for you. Please note that adjusting the magnification may cut off text in some cells. Adjust the row height if this happens.

This scoring tool was developed using Microsoft Excel 2007 for PC, and tested in Excel 2010 and Excel 2003. Features of this spreadsheet may not work in older versions of Excel, in spreadsheet software other than Excel, or platforms other than Windows.

WARNING: <u>Do Not Alter Spreadsheet Formatting or Logic</u>

This spreadsheet has been locked/protected to prevent inadvertent changes in areas that would affect the logic of the tool – please do not attempt to alter the format or logic of the spreadsheet. Only enter information in the areas where input is expected. Altering other areas of the spreadsheet will cause it to malfunction, and will affect the verification process. The NGBS Scoring for New Construction spreadsheet is a copyrighted work and the embedded code is proprietary property of the NAHB Research Center. Unprotecting this document is a serious violation of copyright law.

When you have finished scoring your project, send this file as an attachment to your verifier. Accredited verifiers can be found at www.nahbgreen.org.

Builders Challenge

The NAHB Research Center, a nationally-accredited third-party certification agency, is the sole certifier for National Green Building Certification and is a Builders Challenge Partner. Based on this existing partnership, new single-family homes that are certified Silver, Gold, or Emerald to the Standard can be concurrently certified to the U.S. Department of Energy's (DOE's) Builders Challenge.

Certification to the Builders Challenge requires specific Standard practices to be selected. This workbook identifies these practices for Chapters 6, 7 and 9. Talk to your verifier about participation in the Builders Challenge.

To comply with the requirements of Builders Challenge, you must be able to supply a HERS index number and supporting documentation to your verifier upon request, use only ENERGY STAR® labeled windows, and meet the Standard requirements listed below. If you choose the Performance Path in Chapter 7, your project will still need to comply with 703.2.1(1) to qualify for Builders Challenge.

Practice Number	Practice Name
602.3	Foundation drainage
602.6	Finished grade
602.9	Water-resistive barrier
602.12	Flashing
701.3	Third-party review
701.4.1	HVAC systems
701.4.3	Insulation and air sealing
701.4.4	Fenestration (ENERGY STAR labeled windows required)
703.2.1	Insulation and air sealing: Third party verification
704.4	Ducts
704.5	HVAC design and installation
704.6.1	Installation and performance verification
704.6.2	Third-party testing to verify performance
901.1	Space and water heating options (May not be applicable if fuel fired water heater and furnace are not installed)
901.12	Carbon monoxide (CO) alarms
902.1	Spot ventilation
902.2	Building ventilation systems
902.6	Living space contaminants
903.2	Capillary breaks