

## Certification: Green Building - Residential Examiner



### Exam ID: G1

- 50 multiple-choice questions
- 2-hour limit
- Open book

<b>01</b>	<b>Green Building Introduction</b>	<b>20%</b>
0101	<u>Terminology</u> Understand and apply the acronyms and other terminology used in Green Building methods and applications.	12%
0102	<u>Identification</u> Identify how Green Building Technology applies to new and existing buildings, including planning, construction phases, and occupancy.	4%
0103	<u>Scope</u> Understand the environmental scope and impact of Green Technology in design and construction practices.	4%
<b>02</b>	<b>General Plans and Inspections</b>	<b>14%</b>
0201	<u>Rating Point System Methods</u> Understand rating point systems as applied to Green Building performance levels.	6%
0202	<u>Mandatory Items</u> Understand Green Building practices that are mandatory and/or required by other codes and standards.	2%
0203	<u>Prescriptive vs. Performance</u> Understand alternative methods for achieving compliance.	2%
0204	<u>Adequacy of Construction Documents</u> Determine that the content of the construction documents and all supporting data is adequate to verify compliance with the relevant sections of the applicable codes and standards, as well as Green Building practices.	2%
0205	<u>General Inspection Tasks</u> Determine if required materials and equipment are installed on-site as specified on the construction documents, manufacturer's installation instructions, and as required by code.	2%

<b>03</b>	<b>Site Selection, Layout, and Development</b>	<b>16%</b>
0301	<u>Site Selection and Land Development</u> Identify site selection and land development practices that minimize the environmental impact of the project.	8%
0302	<u>Site Design</u> Identify how the project is designed to avoid detrimental environmental impacts, minimize or mitigate unavoidable impacts, and protect wildlife as well as natural resources.	8%
<b>04</b>	<b>Building Design and Systems</b>	<b>20%</b>
0401	<u>Building Envelope</u> Determine that the building envelope and its components conform to established codes and standards.	6%
0402	<u>Water Efficiency</u> Identify measures that reduce indoor and outdoor water usage, and ensure that building plumbing systems conform to established codes and standards.	6%
0403	<u>HVAC Systems</u> Determine that the building HVAC systems conform to established codes and standards.	6%
0404	<u>Electrical Systems</u> Determine that the building electrical systems conform to established codes and standards.	2%
<b>05</b>	<b>Resource Efficiency</b>	<b>14%</b>
0501	<u>Efficient Use of Materials</u> Recognize design and construction practices that reduce environmental impact by incorporating efficient building sizing, systems, and materials usage, and reduction/recycling of waste generated during construction.	8%
0502	<u>Certified Materials</u> Understand how materials production and transport factors impact Green Building ratings.	4%
0503	<u>Enhanced Durability</u> Recognize how design, material choices, and construction practices result in improved durability and reduced in-service maintenance.	2%

<b>06</b>	<b>Indoor Environmental Quality</b>	<b>16%</b>
0601	<u>Moisture Control</u> Identify strategies used for controlling moisture within the structure so as to prevent moisture damage and adverse indoor air quality impacts.	4%
0602	<u>Pollutant Sources</u> Identify strategies used for minimizing indoor air pollutant sources including materials, cooking, and fuel-fired equipment sources.	6%
0603	<u>Pollutant Controls</u> Identify strategies used for diluting and removing indoor air pollutants.	6%