

ARTICLE XIV. GREEN BUILDING REGULATIONS

DIVISION 1. GENERALLY

Sec. 5-301. Scope.

This article places additional "green building" requirements on certain sizes and various types of new construction and redevelopment activities within Rockville.

Sec. 5-302. Building Code Compliance Required.

This code is an overlay document to be used in conjunction with the other codes and standards adopted by the City of Rockville. This code is not intended to abridge or supersede safety, health or environmental requirements under other applicable codes or ordinances.

Sec. 5-303. Green Building Applicability.

(a) Except as provided in subsection (b) of this section, Section 5-304, and Section 5-322 of Article XIV Green Building Regulations, for the purposes of this Article, these requirements shall apply to construction of all new buildings, and the following additions and alterations to buildings:

- (1) Additions of 7,500 gsf or more to an existing non-residential or multi-unit residential building;
- (2) Alterations of more than 50% of the gsf of a non-residential or multi-unit residential building if the altered area is 7,500 gsf or larger;
- (3) Substantial reconstruction as defined in Article VI.

(b) The requirements of this Article XIV shall not be applicable to the following:

- (1) All permits applied for prior to July 1, 2015; and
- (2) All trade permits associated with building permits or single-family dwelling permits, where application for the building permit or single-family dwelling permit has been made prior to July 1, 2015.

Sec. 5-304. Buildings and Structures Exempt.

The following construction is exempt from the requirements of this Article:

- (1) Accessory buildings and structures, as defined by section 25.09.03 of the Rockville City Code;

- (2) Temporary structures as defined by Section 25.09.04 of the Rockville City Code.

Sec. 5-305. Certification Not Required.

Compliance with this Article does not require a construction project to obtain certification from the U.S. Green Building Council or any other “green” certification organization. The City, as described in Division 2 of this Article, shall perform evaluation for compliance with the provisions of this Article.

Secs. 5-306 - 5-310. Reserved.

DIVISION 2. ADMINISTRATION AND ENFORCEMENT

Sec. 5-311. Administration.

The Chief of Planning or his/her designee will review projects for compliance with this Article during the design phase of new construction. This includes:

- (1) Reviewing the submitted green building-checklists and supporting documentation for completeness and accuracy, as it pertains to site development;

The Chief of Inspection Services or his/her designee will review projects for compliance with this Article during the design phase of new construction. This includes:

- (1) Reviewing the submitted green building checklists and supporting documentation for completeness and accuracy, as it pertains to building construction;

Sec. 5-312. Enforcement.

The Chief of Inspection Services or his/her designee will review projects for compliance with this Article during construction and prior to occupancy. This includes:

- (1) Ensuring that buildings have been constructed to meet the appropriate green standards per their design;
- (2) Ensuring appropriate materials, appliances and equipment are installed, as required;

(3) Reviewing required computer software reports, worksheets, compliance manuals, commissioning documents, and building/homeowner maintenance manuals, if required for credit;

(4) Ensuring waste management requirements have been fulfilled.

Sec. 5-313. Waivers and Modifications.

The Chief of Planning or the Chief of Inspection Services may modify the provisions of this Article as appropriate to accommodate historic preservation considerations.

Secs. 5-314 - 5-315. Reserved.

DIVISION 3. DEFINITIONS

Sec. 5-316. Definitions.

Words defined in this article are intended only for use with sections of this article or any document referred to in this article.

ANSI means the American National Standards Institute.

Alteration, when applied to a building or structure or its service equipment, means:

- (1) A change or rearrangement in the structural parts or in the exit facilities;
- (2) A vital change in the service equipment;
- (3) An enlargement whether by extending laterally or by increasing in height;
- (4) The moving from one (1) location or position to another; or
- (5) The change in occupancy from one (1) use group to another of different legal requirements.

Building means a structure having one (1) or more stories and a roof, designed primarily for the shelter, support, or enclosure of persons, animals, or property of any kind; and is not an accessory building as defined in section 25.09.03 of this Code.

City Manager means the City Manager for the City of Rockville, or his/her designee.

ENERGY STAR means the joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy designed to identify and promote energy-efficient products and practices.

EPA means the U.S. Environmental Protection Agency.

Green building means a holistic approach to design, construction, operation, maintenance and demolition that minimizes the building's impact on the environment, the occupants and the community.

GSF means gross square footage. GSF is the sum of all areas on all floors of a building included within the outside faces of the exterior walls, including floor penetration areas, however insignificant, for circulation and shaft areas that connect one floor to another.

LEED® means the Leadership in Energy and Environmental Design green building rating system, version 4, from the U.S. Green Building Council. Individual rating systems, and the associated checklists, have been created for several different building categories.

Multi-unit residential means residential structures not governed by the provisions of article VI of this chapter.

National Green Building Standard (NGBS) means the ANSI-approved residential green building standard released by the National Association of Home Builders (NAHB) in coordination with the International Code Council (ICC700-2012). For multi-unit and low-rise residential buildings, the NGBS may be used as an equivalent rating system.

Non-residential means commercial, industrial, institutional, governmental and the non-residential portions of mixed-use developments.

USGBC means the U.S. Green Building Council, creator and maintainer of the LEED® green building rating system.

Secs. 5-317 - 5-320. Reserved.

DIVISION 4. NON-RESIDENTIAL AND MULTI-UNIT RESIDENTIAL GREEN BUILDINGS

Sec. 5-321. International Green Construction Code--Adopted.

The International Code Council (ICC) International Green Construction Code, 2012 Edition, as modified herein, is hereby adopted as the green construction code for the City. One (1) copy of such publication as adopted shall be housed by the Inspection Services Division and made

available for inspection by the public during regular office hours. Any amendment or change in such publication promulgated by the International Code Council shall not become a part of this article until adopted by ordinance. References to other ordinances and codes of the City shall be interpreted and applied in accordance with the terms and effect of such ordinances and codes at the time of such application and interpretation.

Sec. 5-322. Same--Amendments.

The *ICC International Green Construction Code*, 2012 Edition (IgCC), is amended in the following respects:

Section 101.1 of the IgCC is amended to read as follows:

101.1 Title. These regulations shall be known as the *Green Construction Code of the City of Rockville*, hereinafter referred to as “this code”.

Section 101.3 of the IgCC is amended to read as follows:

101.3 Scope. The provisions of this code shall apply to new construction as it relates to the design and construction of buildings and additions, building sites, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures and to the site on which the building is located. Occupancy classifications shall be determined in accordance with the *International Building Code*[®] (IBC[®]).

Exceptions:

1. The code shall not apply to items 1.1, 1.2 and 1.3 except where the jurisdiction adopts the jurisdictional requirements of Section 302.1, Item 1, for residential buildings.
 - 1.1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height above grade plane with a separate means of egress, their accessory structures, and the site or lot upon which these buildings are located.
 - 1.2. Group R-3 residential buildings, their accessory structures, and the site or lot upon which these buildings are located.
 - 1.3. Group R-2 and R-4 residential buildings four stories or less in height above grade plane, their accessory structures, and the site or lot upon which these buildings are located.
2. The code shall not apply to equipment or systems that are used primarily for industrial or manufacturing.
3. The code shall not apply to temporary structures *approved* under Section 3103 of the *International Building Code*.
4. Where ASHRAE 189.1 is selected in accordance with Section 301.1.1, ASHRAE 189.1 shall not apply to buildings identified in Exceptions 1 through 3.

101.3.1 Residential construction. In lieu of the requirements of this code the following shall be deemed-to-comply with this code:

1. Group R-2 and R-4 residential buildings five stories or more in height above grade plane, their accessory structures, and the site or lot upon which these buildings are located achieve a minimum Silver performance level in Chapters 5 through 10 of the ICC 700-2012 (National Green Building Standard) or equivalent system.

2. Group R-2 and R-4 portions of mixed use buildings must achieve a minimum Silver performance level in Chapters 5 through 10 of the ICC 700-2012 (National Green Building Standard) or equivalent system. The remainder of the building and the site upon which the building is located shall comply with the provisions of this code.

Section 101.4 of the IgCC is amended to read as follows:

101.4 Appendices. All the provisions in the Appendices are adopted as part of the International Green Construction Code except those in Appendices C and D.

Section 102.4 of the IgCC is amended to read as follows:

102.4 Referenced codes and standards. The following codes shall be considered part of the requirements of this code: the International Building Code, the International Energy Conservation Code® (IECC®), the International Existing Building Code® (IEBC®), Rockville Fire Code, the International Fuel Gas Code® (IFGC®), the International Mechanical Code® (IMC®), the International Plumbing Code® (IPC®), and the International Residential Code® (IRC®).

Section 102.6 of the IgCC is amended to read as follows:

102.6 Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the International Building Code, the International Existing Building Code, or the Rockville Fire Code, or as is deemed necessary by the code official for the general safety and welfare of building occupants and the public.

Section 106.1 of the IgCC is amended to read as follows:

106.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any energy, electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *code official* and obtain

the required permit under the applicable code or regulation relevant to the intended work. A Green Building application will be filed with the Inspection Services Division; however, a separate permit shall not be issued under this code. Exemptions from permit requirements shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other applicable laws, codes or ordinances of this jurisdiction.

Section 107(Fees) of the IgCC is deleted

Section 108 of the IgCC is amended to read as follows:

Section 108 Board of Appeals. In accordance with Section 113 of the International Building Code for appeals of orders, decisions or determinations made by the Code Official.

Section 301.1.1 of the IgCC is amended to read as follows:

301.1.1 Application. The requirements contained in this code are applicable to buildings, or portions of buildings. As indicated in Section 101.3, these buildings shall meet either the requirements of ASHRAE 189.1 or the requirements contained in this code or demonstrate compliance using an equivalent option that must be first approved by the *code official* and where the applicant demonstrates equivalency and compliance.

Section 302.1 of the IgCC is amended to read as follows:

302.1 Requirements and electives determined by the jurisdiction. The jurisdiction shall indicate the following information in Table 302.1 for inclusion in its code adopting ordinance:

1. The jurisdiction shall indicate whether requirements for residential buildings, as indicated in Exception 1 to Section 101.3, are applicable by selecting “Yes” or “No” in Table 302.1. Where “Yes” is selected, the provisions of ICC 700 shall apply and the remainder of this code shall not apply.
2. Requirements: Where “Yes” or “No” boxes are provided, the box checked “Yes” indicates where that section or subsection, as amended, is to be enforced as a mandatory requirement in the jurisdiction, or “No” indicates where that section or subsection is not to be enforced as a mandatory requirement in the jurisdiction.
3. Electives: Where “Yes” boxes are provided, the box checked “Yes” indicates where that section or subsection, as amended, is not required and can be selected as a project elective in the jurisdiction, in accordance with Appendix A- Project Electives,

Table 302.1 of the IgCC is amended to read as follows:

TABLE 302.1 REQUIREMENTS AND ELECTIVES DETERMINED BY THE JURISDICTION

Section	Section Title or Description and Directives	Jurisdictional Requirements		Jurisdictional Electives (Appendix A)
CHAPTER 1. SCOPE				
101.3 Exception 1.1	Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height above grade plane with a separate means of egress, their accessory structures, and the site or lot upon which these buildings are located, shall comply with ICC 700.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
101.3 Exception 1.2	Group R-3 residential buildings, their accessory structures, and the site or lot upon which these buildings are located, shall comply with ICC 700.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
101.3 Exception 1.3	Group R-2 and R-4 residential buildings four stories or less in height above grade plane, their accessory structures, and the site or lot upon which these buildings are located, shall comply with ICC 700.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
CHAPTER 3. JURISDICTIONAL REQUIREMENTS AND LIFE CYCLE ASSESSMENT				
303	Whole Building Life Cycle Assessment	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
CHAPTER 4. SITE DEVELOPMENT AND LAND USE				
401.2	Predesign site inventory and assessment	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
402	Preservation of Natural Resources	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
403	Stormwater Management	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
404	Landscape Irrigation and Outdoor Fountains	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
405.1-405.2	Management of Vegetation, Soils and Erosion Control	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
405.3	Native plant landscaping	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes

Section	Section Title or Description and Directives	Jurisdictional Requirements		Jurisdictional Electives (Appendix A)
		Yes	No	
406	Building Site Waste Management	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
407.1-407.3	Transportation Impact	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
407.4	Preferred vehicle parking	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
408	Heat Island Mitigation	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
409	Light Pollution Control	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
CHAPTER 5. MATERIAL RESOURCE CONSERVATION AND EFFICIENCY				
502	Construction Material Management	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
503	Construction Waste Management	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
503.1	Minimum percentage of waste material diverted from landfills	<input checked="" type="checkbox"/> Yes (50%)		
504	Waste Management and Recycling	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
505	Material Selection	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
506	Lamps	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
507	Building Envelope Moisture Control	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
CHAPTER 6. ENERGY CONSERVATION, EFFICIENCY AND CO_{2e} EMISSION REDUCTION				
302.1, 302.1.1, 602.1	Zero Energy Performance Index (zEPI) of Jurisdictional Choice – The jurisdiction shall indicate a zEPI of 51 or less in each occupancy for which it intends to require enhanced energy performance.	<input checked="" type="checkbox"/> Yes Occupancy: ALL zEPI: 51	<input type="checkbox"/> No	
603	Energy Metering, Monitoring and Reporting	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
604	Automated Demand-Response (Auto-DR) Infrastructure	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
605	Building Envelope Systems	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Section	Section Title or Description and Directives	Jurisdictional Requirements		Jurisdictional Electives (Appendix A)
		Yes	No	
606	Building Mechanical Systems	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
606.5.1	Economizer Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
607	Building Service Water Heating Systems	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
608	Building Electrical Power and Lighting Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
609	Specific Appliances and Equipment	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
610	Building Renewable Energy Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
611	Energy Systems Commissioning and Completion	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
611.1.5.5	Post-occupancy recommissioning	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
CHAPTER 7. WATER RESOURCE CONSERVATION, QUALITY AND EFFICIENCY				
702.1-702.5	Fixtures, Fittings, Equipment and Appliances	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
702.6	Appliances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
703	HVAC Systems and Equipment	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
704	Water Treatment Devices and Equipment	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
705	Metering	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
706	Nonpotable Water Resources	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
707	Rainwater Collection and Distribution Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
708	Gray Water Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
709	Reclaimed Water Systems	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Section	Section Title or Description and Directives	Jurisdictional Requirements		Jurisdictional Electives (Appendix A)
		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
710	Alternate Onsite Nonpotable Water Sources	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
CHAPTER 8. INDOOR ENVIRONMENTAL QUALITY AND COMFORT				
802	Building Construction Features, Operations and Maintenance Facilitation	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
803	HVAC Systems	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
804	Specific Indoor Air Quality and Pollutant Control Measures	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
804.2	Post-Construction Pre-Occupancy Baseline IAQ Testing	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
805	Prohibited Materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
806	Material Emissions and Pollutant Control	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
807	Acoustics	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
808	Daylighting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
CHAPTER 9. COMMISSIONING, OPERATION AND MAINTENANCE				
902	Approved Agency	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
903	Commissioning	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
904	Building Operations and Maintenance	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
CHAPTER 10. EXISTING BUILDINGS				
Chapter 10	Existing Buildings	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
CHAPTER 11. EXISTING BUILDING SITE DEVELOPMENT				
Chapter 11	Existing Building Site Development	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Section 302.1.1 of the IgCC is amended to read as follows:

302.1.1 zEPI of 51 or less. Where a zEPI of 51 or less is indicated by the jurisdiction in Table 302.1, buildings shall comply on a performance-basis in accordance with Section 601.3.1.

Exception: Buildings less than 25,000 square feet (2323 m²) in total building floor area pursuing compliance on a prescriptive basis shall be deemed to have a zEPI of 51 and shall not be required to comply with the zEPI of Jurisdictional Choice indicated by the jurisdiction in Table 302.1.

Section 303 (Whole Building Life Cycle Assessment) is removed and added to Appendix A Section A110-303 of this Code.

Sections 401.2 (Predesign site inventory and Assessment) of the IgCC is deleted in its entirety.

Section 402 (Preservation of Natural Resources) of the IgCC is deleted in its entirety.

Section 403 (Stormwater Management) of the IgCC is deleted in its entirety.

Section 404 (Landscape Irrigation and Outdoor Fountains) is removed and added to Appendix A Section A110-404 of this Code.

Section 405.1 (Soil and water quality protection) and *Section 405.2* (Vegetation and soil protection) of the IgCC are deleted in entirety.

Section 405.3 (Native Plant Landscaping) is removed and added to Appendix A Section A110-405.3 of this Code.

Section 407.1 (Walkways and bicycle paths) through *Section 407.3.2* (Long-term bicycle parking) of the IgCC are deleted in entirety.

Section 407.4 (Preferred vehicle parking) is removed and added to Appendix A Section A110-407.4 of this Code.

Section 408.2 (Site hardscape) is amended to read as follows

Section 408.2 Site hardscape. In climate zones 1 through 6, as established in the *International Energy Conservation Code*, not less than 40 percent of the site hardscape shall be provided with one or any combination of options described in Sections 408.2.1

through 408.2.4. For the purposes of this section, site hardscape shall not include areas of the site covered by solar photovoltaic arrays or solar thermal collectors.

Section 409 (Site Lighting) is removed and added to Appendix A Section A110-409 of this Code.

Section 503.2 is added to the IgCC to read as follows:

Section 503.2 Deconstruction and demolition material and waste management plan.

Where buildings, structures or portions thereof are deconstructed or demolished, a minimum of 50 percent of materials shall be diverted from landfills. A construction material and waste management plan shall be developed that is in accordance with Section 503.1, that includes procedures for deconstruction, procedures for the proper removal, management and disposal of hazardous materials (including, but not limited to materials and devices containing mercury, poly-chlorinated biphenyl, lead, asbestos, CFCs, and HCFCs), and documentation on the total materials in buildings, structures and portions thereof to be deconstructed or demolished and the materials to be diverted.

Sections 505 (Material Selection) and *506* (Lamps) are removed and added to Appendix A Section A110-505 and Section A110-506 of this Code.

Section 604 (Automated Demand-Response Infrastructure) is removed and added to Appendix A Section A110 of this Code.

Section 606.5 of the IgCC is amended to read as follows:

606.5 Economizers. Economizers shall comply with the requirements of the *International Energy Conservation Code*.

Section 606.5.1 (Economizer Systems) is removed and added to Appendix A Section A110-606.5.1 of this Code.

Section 606.7 (Kitchen exhaust systems) is amended to insert the phrase “NFPA 96,” after the phrase “International Mechanical Code”.

Sections 607.3 (Pools, hot tubs, and spas) and *607.4* (Snowmelt systems) of the IgCC are deleted in entirety.

Sections 608.2 (Sleeping unit controls) through *608.11* (Verification of lighting controls) are removed and added to Appendix A Section A110-608.2 through Section A110-608.11 of this Code.

Sections 609.2.1 (Elevators), *609.2.2* (Escalators and moving walkways) and *609.2.4* (Conveyors) of the IgCC are deleted in entirety.

Section 609.2.3 (Commercial food service equipment) is removed and added to Appendix A Section A110-609.2.3 of this Code.

Section 610 (Building Renewable Energy Systems) is removed and added to Appendix A Section A110-610 of this Code.

Section 611.1.5.5 (Post-occupancy recommissioning) is removed and added to Appendix A Section A110-611.1.5.5 of this Code.

Section 702.6 (Appliances) is removed and added to Appendix A Section A110-702.6 of this Code.

Sections 702.7 (Municipal reclaimed water) through *702.20* (Film processors) of the IgCC are deleted in entirety.

Sections 703.1 (Hydronic closed system), *703.2* (Humidification systems), *703.3* (Condensate coolers and tempering), *703.4* (Condensate drainage recovery), *703.6* (Humidifier discharge), *703.7* (Cooling towers, evaporative condensers and fluid coolers), *703.8* (Wet-hood exhaust scrubber systems), *704* (Water Treatment Devices and Equipment), *705* (Metering) and *706* (Nonpotable water requirements) of the IgCC are deleted in entirety.

Section 707 (Rainwater Collection and Distribution Systems) is removed and added to Appendix A Section A110-707 of this Code.

Section 708 (Gray Water Systems) are removed and added to Appendix A Section A110-708 of this Code with Section 708.12 amended as follows:

708.12 Gray water systems. The gray water system shall be designed by a design professional.

Sections 709 (Reclaimed Water Systems) and *710* (Alternate Onsite Nonpotable Water Sources) of the IgCC are deleted in entirety.

Section 803.3 (Environmental tobacco smoke control) of the IgCC is deleted in its entirety.

Section 803.4.1(1) of the IgCC is amended to read as follows:

803.4.1(1) The enclosing walls shall extend from the floor surface to the underside of the floor, roof deck or solid ceiling above and shall be constructed to resist the passage of airborne chemical pollutants and shall be constructed and sealed as required for a smoke partition in a fully sprinklered building or 1-hour fire-resistance-rated construction assemblies. Alternatively, for janitorial rooms and closets, all chemicals shall be stored in approved chemical safety storage cabinets.

Section 804.1(Fireplaces and appliances) of the IgCC is deleted in its entirety.

Section 804.2 (Post-construction, pre-occupancy baseline IAQ testing) is removed and added to Appendix A Section A11-804.2 of this Code.

Sections 806 (Material Emissions and Pollutant Control), *807* (Acoustics), and *808* (Daylighting) are removed and added to Appendix A Section A110-806, Section A110-807, Section A110-808 of this Code, accordingly.

Section 903.1 of the IgCC is amended to read as follows:

903.1 General. Where application is made for construction as described in this section, the registered design professional in responsible charge shall perform commissioning during construction and after occupancy as required by Table 903.1. Where Table 903.1 specifies that commissioning is to be done on a periodic basis, the registered design professional in responsible charge shall provide a schedule of periodic commissioning with the submittal documents that shall be maintained by the building owner and available for review when requested by the code official.

The approved agency shall be qualified and shall demonstrate competence, to the satisfaction of the code official, for the commissioning of the particular type of construction or operation. The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the approved agency provided those personnel meet the qualification requirements of this section to the satisfaction of the code official. The approved agency shall provide written documentation to the code official demonstrating competence and relevant experience or training. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of commissioning activities for projects of similar complexity and material qualities.

Chapter 10 (Existing Buildings) of the IgCC is deleted in its entirety.

Chapter 11 (Existing Building Site Development) of the IgCC is deleted in its entirety.

Section A102.1 of the IgCC is amended to read as follows:

A102.1 General. Project electives shall be applicable to building, structures and building sites constructed under the provisions of this code. Code official shall require a minimum of 10 project electives, and project electives shall be selected by the owner. Selected project electives shall be communicated to the code official by means of checking the appropriate boxes in the tables and providing a copy of the tables, or by inclusion of a list of selected project electives, with the construction documents.

Section A102.2 (Required number of and selection of project electives) of the IgCC is deleted in its entirety.

Sections A104.1 (Flood hazard area project elective), A104.7 (Changing and shower facilities project elective) and 104.8 (Long-term bicycle parking and storage project elective) of the IgCC are deleted in entirety.

Section A110 of the IgCC is added to read as follows:

Section A110 Additional Project Electives

A110.1 Additional Project Electives. The following Sections and Subsections are removed from Chapter 3 through Chapter 8 of this code and relocated to Appendix A to be optional requirements: 303, 404, 405.3, 407.4, 409, 505, 506, 604, 606.5.1, 608.2-608.11, 609.2.3, 610, 611.1.5.5, 702.6, 707, 708, 804.2, 806, 807 and 808. Section and subsection numbers, titles and provisions shall remain consistent, unless otherwise amended. Each section or subsection is considered as separate project electives. The electives shall be cumulative and compliance with each project elective shall be recognized individually.

Table A110: Additional Project Electives

Section	Description	Minimum Number of Electives Required and Electives Selected	
		<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-303	Whole Building Life Cycle Assessment	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-404	Landscape Irrigation and Outdoor Fountains	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-405.3	Native Plant Landscaping	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-407.4	Preferred Vehicle Parking	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-409	Site Lighting	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-505	Material Selection	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-506	Lamps	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-604	Automated Demand-Response (Auto-DR) Infrastructure	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-606.5.1	Economizer Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-608.2 – 608.11	Building Electrical Power and Lighting Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-609.2.3	Specific Appliances and Equipment	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-610	Building Renewable Energy Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<i>Section 611.1.5.5</i>	Post-occupancy recommissioning	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-702.6	Appliances	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-707	Rainwater Collection and Distribution Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-708	Gray Water Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-709	Reclaimed Water Systems	<input type="checkbox"/> Yes	<input type="checkbox"/> No

A110-804.2	Post-Construction Pre-Occupancy Baseline IAQ Testing	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-806	Material Emissions and Pollutant Control	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-807	Acoustics	<input type="checkbox"/> Yes	<input type="checkbox"/> No
A110-808	Daylighting	<input type="checkbox"/> Yes	<input type="checkbox"/> No

DIVISION 5. ONE AND TWO FAMILY DWELLING REQUIREMENTS

Sec. 5-331. Applicability.

The requirements of this Division shall be applicable to one and two family dwellings as indicated in Section 5-303 of this Article.

Sec. 5-332. Green Building Checklist Required.

All one- and two-family dwelling new construction, as defined in Article VI, must submit either ~~the~~ a completed NGBS checklist, or equivalent green homes checklist with every submittal to the City.

Sec. 5-333. ENERGY STAR Appliances Required.

To the extent that the building includes the following buildings components, these components shall meet or exceed U.S. EPA's Energy Star requirements: windows, ceiling fans, ventilation fans (including kitchen and bathroom fans), and programmable thermostats.

Sec. 5-334. Rockville Green Homes Required.

Homes must achieve a minimum Silver performance level in Chapters 5 through 10 of the ICC 700-2012 (National Green Building Standard) or equivalent system that must be first approved by the code official and where the applicant demonstrates equivalency and compliance.

Secs. 5-335 - 5-340. Reserved.