

Green Construction Code

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Section 9-13-01 PURPOSE

The purpose of this Chapter is to establish provisions with increased sustainability components of buildings and sites beyond the minimum requirements of other adopted codes using prescriptive and performance related provisions. The provisions of this Chapter shall regulate the design of site sustainability, water use efficiency, energy efficiency, indoor environmental quality, materials and resources, and construction and plans for operation of high-performance green buildings to: reduce emissions from buildings and building systems; enhance occupant health and comfort; conserve water resources; protect local biodiversity and ecosystem services; promote sustainable and regenerative materials cycles; enhance building quality; enhance resilience to natural, technological, and human caused hazards; and support the goal of development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

Section 9-13-02 CODE ADOPTED

All rules, provisions, and ordinances applying to the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of the building systems, contained in book and in code form, designated and entitled "2018 *International Green Construction Code*" (IGCC) including all Normative Appendices, added Normative Appendix E, and Informative Appendices G (Informative References), H (Option for Energy Efficiency Using the IECC Prescriptive Compliance Path), I (Additional Guidance for Functional and Performance Testing (FPT) and the Commissioning (CX) Process) and J (Option for Residential Compliance Using the National Green Building Standard) published under the authority of the International Code Council, Inc., is ratified and adopted, except as said rules and provisions are hereby changed, altered and amended by this Ordinance. The 2018 edition of the *International Green Construction Code*, and amendments pursuant to this ordinance, shall be known as the Green Construction Code of Boise City. One (1) copy of the 2018 *International Green Construction Code* shall be filed for use and examination by the public in the office of the City Clerk.

Section 9-13-03 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 101.1, TITLE

101.1 Title. Boise City Code Title 9, Chapter 13 shall be known as the *Green Construction*

Code of Boise City, and hereinafter may be cited or referred to as “this Chapter” and “this code”.

Section 9-13-04 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 101.2 (2.3), GENERAL

Repeal Section 101.2 (1) Purpose, including subsections, and replace with the following:

101.2 (2.3) General. This code is voluntary for applicants unless agreed upon as a condition of approval under a Planning and Zoning approval process or under an agreed upon incentive program. This code is intended to provide minimum requirements to be used in conjunction with the other codes and standards adopted by the jurisdiction. The requirements in this code shall not be used to circumvent any applicable safety, health, or environmental requirements.

Section 9-13-05 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 101.3, SCOPE

Repeal Section 101.3 (2.) Scope, including subsections, and replace with the following:

101.3 Scope. The provisions of this code shall apply to the design, construction, addition, alteration, change of occupancy, relocation, replacement, repair, equipment, building site, maintenance, deconstruction, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures and to the building site on which the building is located. Occupancy classifications shall be determined in accordance with the *International Building Code* (IBC).

Section 9-13-06 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 101.3.1 (2.2), APPLICABILITY

101.3.1 (2.2) Applicability. The provisions of this code do not apply to the following:

1. Single-family dwellings.
2. Multiple-family dwellings of three stories or fewer above grade.
3. Manufactured houses (mobile homes).
4. Manufactured houses (modular).
5. *Building projects* that use none of the following:
 1. Electricity.
 2. Fossil Fuels.
 3. Water.

Section 9-13-07 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 101.4.1 (4.1 & 4.2), COMPLIANCE

101.4.1 (4.1 & 4.2) Compliance. *Building projects* shall comply with this code. Within each of Chapters 5 through 9, *building projects* shall comply with all the mandatory provisions (x.3) and, where offered, either the:

1. Prescriptive Option (x.4) or

2. Performance Option (x.5).

Building projects shall also comply with all the provisions of Chapter 10.

Exceptions:

1. Compliance shall not be required with sections that are listed in Table 101.4.1.1 where the jurisdiction has opted out by checking “No” in the corresponding cell in the jurisdictional requirement column.
2. Where the jurisdiction has indicated a diversion percentage for Section 501.3.8.1 in Table 101.4.1.1, that percentage shall replace the diversion percentage indicated in Section 501.3.8.1.

Section 9-13-08 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 101.4.1.1, JURISDICTIONAL OPTIONS

101.4.1.1 Jurisdictional Options. The jurisdictional options listed in Table 101.4.1.1 provide jurisdictions the flexibility to adopt the code in a manner that is best suited to meet their unique environmental and regional goals and needs.

Table 101.4.1.1 may be used for the code adoption ordinance:

1. Where “No” boxes are provided, the jurisdiction checks the box to indicate where that section is not to be enforced as a requirement in the jurisdiction. Where the “No” box is not checked, that section is adopted.
2. Where a numerical value is listed to specify the level of performance, the jurisdiction shall indicate the required value to be adopted. Where a numerical value is not indicated, the value in the text is adopted without change.

In addition to the jurisdictional options listed in Table 101.4.1.1, the code also provides for optional jurisdictional adoption of Informative Appendix H, *Option for Energy Efficiency Using the IECC Prescriptive Compliance Path* and Informative Appendix J, *Option for Residential Compliance Using the National Green Building Standard*. Where the jurisdiction adopts Appendix H, compliance with Sections 7.3 and 7.4 of this code shall be as specified in Appendix H.

Section 9-13-09 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD TABLE 101.4.1.1, REQUIREMENTS DETERMINED BY THE JURISDICTION

**TABLE 101.4.1.1
REQUIREMENTS DETERMINED BY THE JURISDICTION**

Section	Section Title	Jurisdictional Requirement
Chapter 5-Site Sustainability		
501.3.5.2 (5.3.5.2)	Mitigation of Heat Island Effect-Walls	<input checked="" type="checkbox"/> No
501.3.6 (5.3.6)	Reduction of Light Pollution	<input type="checkbox"/> No

501.3.7.2.2 (5.3.7.2.2)	Bicycle Parking Location	<input type="checkbox"/> No
501.3.7.2.3 (5.3.7.2.3)	Bicycle Parking, Horizontal Parking Racks	<input type="checkbox"/> No
501.3.7.2.5 (5.3.7.2.5)	Bicycle Parking, Security and Visibility	<input type="checkbox"/> No
501.3.8.1 (5.3.8.1)	Building Site Waste Management-Diversion Percentage	<input checked="" type="checkbox"/> 75% <input type="checkbox"/> 50% <input type="checkbox"/> 35%
Chapter 6-Water Use Efficiency		
601.3.1.2.1(a,3) [6.3.1.2.1(a,3)]	Irrigation System Design, Master Valve	<input type="checkbox"/> No
601.3.1.2.1(a,4) [6.3.1.2.1(a,4)]	Irrigation System Design, Flow Sensors	<input checked="" type="checkbox"/> No
601.3.3 (6.3.3)	Special Water Features	<input checked="" type="checkbox"/> No
601.3.4.2 (6.3.4.2)	Consumption Data Collection	<input type="checkbox"/> No
601.3.4.3 (6.3.4.3)	Data Storage and Retrieval	<input type="checkbox"/> No
601.3.8 (6.3.8)	Dual Water Supply Plumbing	<input checked="" type="checkbox"/> No
Chapter 7-Energy Efficiency		
701.4.2.1 (7.4.2.1)	Building Envelope Requirements	<input type="checkbox"/> No
701.4.2.2 (7.4.2.2)	Single Rafter Roof Insulation	<input checked="" type="checkbox"/> No
701.4.2.3 (7.4.2.4)	High-speed Doors	<input checked="" type="checkbox"/> No
701.4.2.6 (7.4.2.6)	Permanent Projections	<input checked="" type="checkbox"/> No
701.4.2.9 (7.4.2.9)	Orientation	<input checked="" type="checkbox"/> No

701.4.3.2 (7.4.3.2)	Ventilation Controls for Densely Occupied Spaces	<input type="checkbox"/> No
701.4.3.4 (7.4.3.4)	Economizers	<input type="checkbox"/> No
701.4.3.5 (7.4.3.5)	Zone Controls	<input checked="" type="checkbox"/> No
701.4.3.7 (7.4.3.7)	Exhaust Air Energy Recovery	<input checked="" type="checkbox"/> No
701.4.3.8 (7.4.3.8)	Kitchen Exhaust Systems	<input type="checkbox"/> No
701.4.4.2 (7.4.4.2)	Insulation for Spa Pools	<input type="checkbox"/> No
701.4.6.2 (7.4.6.2)	Occupancy Sensor Controls with Multilevel Switching or Dimming (storage stack areas)	<input type="checkbox"/> No
701.4.6.3 (7.4.6.3)	Automatic Controls for Egress and Security Lighting	<input checked="" type="checkbox"/> No
701.4.7.2 (7.4.7.2)	Supermarket Heat Recovery	<input checked="" type="checkbox"/> No
701.4.7.4 (7.4.7.2)	Programmable Thermostats	<input type="checkbox"/> No
701.4.7.5 (7.4.7.5)	Refrigerated Display Cases	<input type="checkbox"/> No
Chapter 8-Indoor Environmental Quality		
801.3.1.3(b) [8.3.1.3(b)]	Outdoor Air Ozone Removal	<input checked="" type="checkbox"/> No
801.3.1.4.2 (8.3.1.4.2)	Exfiltration	<input checked="" type="checkbox"/> No
801.3.3.4 (8.3.3.4)	Interior Sound Reverberation	<input checked="" type="checkbox"/> No
801.4.1.3 (8.4.1.3)	Shading for Offices	<input type="checkbox"/> No
Chapter 9-Materials and Resources		
901.3.1.2 (9.3.1.2)	Total Waste	<input checked="" type="checkbox"/> No

Chapter 10-Construction and Plans for Operation		
1001.3.1.8 (10.3.1.8)	Construction Activity Pollution Prevention: Protection of Occupied Areas	<input type="checkbox"/> No
1001.3.2.3 (10.3.2.3)	Service Life Plan	<input checked="" type="checkbox"/> No
1001.3.2.4.2 (10.3.2.4.2)	Transportation Management Plan, Owner-occupied Building Projects, or Portions of Building Projects	<input type="checkbox"/> No
1001.3.2.4.3 (10.3.2.4.3)	Transportation Management Plan, Building Tenant	<input type="checkbox"/> No

Section 9-13-10 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 101.4.4 (4.1.3), INFORMATIVE APPENDICES

101.4.4 (4.1.3) Informative Appendices. The informative appendices to this code, and the informative notes located within this code, contain additional information and are not mandatory or part of this code except where specifically adopted by the authority having jurisdiction (AHJ).

Informative note: Informative Appendices H and M are written in mandatory language suitable for inclusion in local codes where specifically adopted by the jurisdiction.

Section 9-13-11 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 102.4, REFERENCED CODES AND STANDARDS

102.4 Referenced codes and standards. Where adopted by the authority having jurisdiction, the following codes shall be considered to be part of the requirements of this code: the *International Building Code (IBC)*, the *International Residential Code (IRC)*, the *International Energy Conservation Code (IECC)*, the *International Existing Building Code (IEBC)*, the *International Fire Code (IFC)*, the *International Fuel Gas Code (IFGC)*, the *International Mechanical Code (IMC)*, and the *National Electrical Code (NEC)*. All references to the *International Plumbing Code (IPC)* shall be construed as referring to the *Uniform Plumbing Code (UPC)*, as adopted and amended by the Idaho State Plumbing Board, which is known as the *Idaho State Plumbing Code*.

Section 9-13-12 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 102.6, EXISTING STRUCTURES

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, and where adopted by the authority having

jurisdiction, the *International Building Code*, the *International Existing Building Code*, or the *International Fire Code*, or as is deemed necessary by the *code official* for the general safety and welfare of building occupants and the public.

Section 9-13-13 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 103.1, GENERAL

103.1 General. The *building official* established under City adoption of the *International Building Code* and *International Residential Code*, shall be referred to as the *code official* and authority having jurisdiction under this code, and is hereby authorized and directed to enforce the provisions of this code. The *code official* shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions and how this code relates to other applicable codes and ordinances. Such interpretations, policies, and procedures shall be in compliance with the intent and purpose of this code and other applicable codes and ordinances. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code or other applicable codes and ordinances.

Section 9-13-14 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 103.5, STOP WORK ORDER

103.5 Stop work order. Whenever the *code official* identifies any work regulated by the *Green Construction Code* being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the *code official* is authorized to issue a stop work order in accordance with Section 115 of the *International Building Code* or Section 114 of the *International Residential Code*, whichever is applicable.

Section 9-13-15 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 104.1, INFORMATION ON CONSTRUCTION DOCUMENTS

104.1 Information on construction documents. Where adopted by the authority having jurisdiction, the content and format of construction documents shall comply with the *International Building Code* or *International Residential Code*, whichever is applicable, including any documents or other data as required by Boise City submittal checklists submitted with each application for a permit.

Section 9-13-16 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 105.6, APPROVED PROGRAMS

105.6 Approved programs. The *code official* shall be permitted to deem other national, state, or local programs as equivalent to meet or exceed this code. Buildings approved in writing by such a program shall be considered to be in compliance with this code. Example programs include, but are not limited to, net zero, new buildings that achieve certification under the U.S. Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) at Silver or higher or a rating of two (2) Green Globes or higher under the Green Globes program. Equivalency for existing buildings are those that achieve certification under the USGBC Leadership in Energy and Environmental Design (LEED) at Certified or higher or a rating of one (1) Green Globe or higher under

the Green Globes program.

**Section 9-13-17 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 108
BOARD OF APPEALS & 108.1 GENERAL**

**SECTION 108
BOARD OF APPEALS**

108.1 General. Appeals of orders, decisions, or determinations, made by the *code official* relative to the application and interpretation of this code shall be made to the Board of Appeals created under *International Building Code* amendments in the Building Code and *International Residential Code* amendments in the One-and-Two-Family Dwelling Building Code of Boise City Code.

**Section 9-13-18 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION
108.2, LIMITATIONS ON AUTHORITY**

Delete Section 108.2, Limitations on Authority.

**Section 9-13-19 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION
108.3, QUALIFICATIONS**

Delete Section 108.3, Qualifications.

**Section 9-13-20 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTIONS 110
VIOLATIONS & 110.1 GENERAL**

**SECTION 110
VIOLATIONS**

110.1 General. Violations of any provision of the *Green Construction Code* identified by the code official shall be subject to penalties outlined in the Building Code and One-and-Two-Family Dwelling Building Code of Boise City Code.

**Section 9-13-21 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTIONS 111
INCENTIVES AND 111.1 GENERAL**

**SECTION 111
INCENTIVES**

111.1 General. Projects voluntarily complying with the provisions of the *Green Construction Code* may apply for the following incentives when available:

1. Acceptance of project into the Planning & Development Services Project Management Program.
2. Expedited building permit application review.
3. Recognition and marketing assistance (such as awards, building plaque, jobsite displays/signage, press releases, recognition on City internet site, recognition in quarterly newsletter, and other means).
4. Any other incentive programs created and approved by City Council directed

at green construction.

Section 9-13-22 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTIONS 112 CITY BUILDINGS AND 112.1 GENERAL

**SECTION 112
CITY BUILDINGS**

112.1 General. Construction of new City of Boise owned buildings shall comply with the provisions of the *Green Construction Code* or other approved programs as outlined in section 105.6 of this code.

Exception: Unconditioned buildings, buildings not typically occupied, buildings with specialized industrial or mechanical equipment, or similar, may be exempt from this code, where deemed acceptable by the *code official*.

Section 9-13-23 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 301.1 (3.1), DEFINITIONS, ABBREVIATIONS, AND ACRONYMS, GENERAL

301.1 (3.1) Definitions, abbreviations, and acronyms, general. Certain terms, abbreviations, and acronyms are defined in the Chapter for the purposes of this code. These definitions are applicable to all sections and chapters of this code.

Terms that are not defined herein, but that are defined in standards that are referenced herein (**Informative Note:** e.g., ANSI/ASHRAE/IES Standard 90.1), shall have the meanings as defined in those standards.

Where terms are not defined in this code and are defined in the currently adopted editions of the *International Building Code*, *International Energy Conservation Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Residential Code*, *National Electrical Code*, or the *Uniform Plumbing Code*, such terms shall have the meanings ascribed to them as in those codes.

Other terms that are not defined shall have their ordinarily accepted meanings within the context in which they are used. Ordinarily accepted meanings shall be based on American standard English language usage, as documented in an approved unabridged dictionary.

Section 9-13-24 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD EXCEPTION TO SECTION 501.3.1.1 (5.3.1.1), ALLOWABLE SITES

Add an Exception to Section 501.3.1.1 (5.3.1.1), Allowable Sites to read as follows:

Exception: The development of new buildings and associated site improvements shall be permitted on greenfield sites where the jurisdiction determines the project aligns with appropriate City Development Plans and that adequate infrastructure exists or will be provided.

Section 9-13-25 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.1.2 (5.3.1.2), PROHIBITED DEVELOPMENT ACTIVITY

501.3.1.2 (5.3.1.2) Prohibited Development Activity. There shall be no *site* disturbance or development of the following:

- a. Land located within specific flood hazard areas as regulated in accordance with the Flood Hazard Regulations and Waterways Overlay Districts of the City Development Code.

Exceptions:

1. Development of *low-impact trails* shall be allowed anywhere within a flood zone.
2. Development of building structures shall be allowed in alluvial "AO" designated flood zones, provided that such structures include engineered flood-proofing up to an elevation that is at least as high as the minimum lowest floor elevation determined by the *authority having jurisdiction (AHJ)* and provided that the site includes drainage paths constructed to guide floodwaters around and away from the structures.
3. Where new buildings, structures, substantial improvements, or site development are allowed to be constructed within flood hazard areas, they shall comply with flood hazard provisions of the *International Building Code* and/or *International Residential Code* as applicable and adopted, and regulated in accordance with the Flood Hazard Regulations of the City Development Code.

- b. Land within 150 ft. of any *fish and wildlife habitat conservation area* or as applicable to other conservation areas specified in the City Development Code.

Exceptions:

1. Development of *low-impact trails* shall be allowed, provided that such trails are located at least 15 ft. from the *fish and wildlife habitat conservation area*.
2. *Site* disturbance or development shall be allowed for habitat enhancement measures.
3. Where buildings, structures, substantial improvements, or site development are allowed to be constructed near or within conservation areas, they shall comply with the Flood Hazard Regulations, Waterways Overlay Districts, Hillside and Foothills Developments Standards and Tree Protection Zones of the City Development Code, as applicable.

- c. Land within 100 ft. of any *wetland*.

Exceptions:

1. Development of *low-impact trails* shall be allowed, provided that such trails are located at least 15 ft. from the *wetland*.
2. *Site* disturbance or development shall be allowed for habitat enhancement measures or for restoration of the functions of the *wetland*.

3. Where buildings, structures, substantial improvements, or site development are allowed to be constructed near or within wetlands, they shall comply with the Waterways Overlay Districts of the City Development Code and in accordance with the requirements of the United States Army Corps of Engineers.

Section 9-13-26 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.2 (5.3.2), STORMWATER POLLUTION PREVENTION PLAN AND PREDESIGN SITE INVENTORY AND ASSESSMENT

Repeal Section 501.3.2 (5.3.2) Predesign Site Inventory and Assessment, and replace with the following:

501.3.2 (5.3.2) Stormwater Pollution Prevention Plan and Predesign Site Inventory and Assessment. Regardless of the size of the site, a written Stormwater Pollution Prevention Plan (SWPPP) that meets the minimum requirements as prescribed in the most current version of the IDEQ, IPDES Construction General Permit (CGP) for Discharge Activities, and a Predesign Site Inventory and Assessment shall be submitted and approved prior to construction. The implementation of an approved SWPPP shall be in compliance with the rules, regulations and standards prescribed in the Construction Site Erosion Control Ordinance of Boise City Code during all phases of construction. In addition to the CGP requirements, the plan must also include the following as appendices to the SWPPP as applicable:

- a. Location of any prohibited development areas identified in Section 501.3.1.2 (5.3.1.2) that are located on or adjacent to the *building project site*.
- b. Identification of and removal plan of *invasive plant* species on the *site*.
- c. Identification of *native plant* species on the *site*, and percentage of existing native or adapted plants protected on the site.
- d. Identification and management of *site* features designated for preservation (i.e., vegetation, trees, soil, waterways, unique features).

Section 9-13-27 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.3.2 (5.3.3.2), GREENFIELD SITES

Repeal Section 501.3.3.2 (5.3.3.2) Greenfield Sites, and replace with the following:

501.3.3.2 (5.3.3.2) Greenfield Sites. A minimum of 15% of the site shall be retained with existing native plants and/or adapted plants, or be redeveloped as vegetated area, or have a combination of both. Such vegetated areas can include bioretention facilities, rain gardens, filter strips, grass swales, vegetated level spreaders, constructed wetlands, planters, and open space with plantings.

A minimum of 60% of the vegetated area shall consist of biodiverse planting of native plants, adaptive plants, and/or low water use vegetation, other than turfgrass.

Exception: The following areas shall not be included in the 60% calculations: dedicated sports/athletic fields, recreational fields, parks, golf courses, driving ranges, areas dedicated for production of food for human consumption, burial grounds, vegetated pavers, minimum fire lanes required by the jurisdiction, and

similar at the discretion of the code official.

Section 9-13-28 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.4 (5.3.4), STORMWATER MANAGEMENT

Repeal Section 501.3.4 (5.3.4) Stormwater Management, and replace with the following:

501.3.4 (5.3.4) Stormwater Management. Stormwater management systems shall comply with Title 10, Public Utilities, Chapter 6, Stormwater Management and Discharge Control, of City Code.

Section 9-13-29 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.1 (5.3.4.1), PROJECTS ON GREENFIELDS

Delete Section 501.3.4.1 (5.3.4.1), Projects on Greenfields.

Section 9-13-30 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.2 (5.3.4.2), PROJECTS ON GREYFIELDS

Delete Section 501.3.4.1 (5.3.4.1), Projects on Greyfields.

Section 9-13-31 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.3 (5.3.4.3), DISCHARGE RATE

Delete Section 501.3.4.3 (5.3.4.3), Discharge Rate.

Section 9-13-32 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.4 (5.3.4.4), ADJOINING LOTS

Delete Section 501.3.4.4 (5.3.4.4), Adjoining Lots.

Section 9-13-33 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.5 (5.3.4.5), DISCHARGES FROM CONTAMINATED SOILS

Delete Section 501.3.4.5 (5.3.4.5), Discharges from Contaminated Soils.

Section 9-13-34 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 501.3.4.6 (5.3.4.6), COAL TAR SEALANTS

Delete Section 501.3.4.6 (5.3.4.6), Coal Tar Sealants.

Section 9-13-35 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.5.1 (5.3.5.1), SITE HARDSCAPE, EXCEPTION

Amend the Exception to Section 501.3.5.1 (5.3.5.1) Site Hardscape as follows:

Exception: Section 501.3.5.1 (5.3.5.1) shall not apply to building projects in *Climate Zones 6, 7, and 8*. The *code official* may approve a percentage less than 50%, on a case-by-case basis, for portions of industrial type sites with

limitations and/or having expansive amounts of paving needed for the intended use, (i.e., next to airport, aircraft affiliated, large truck or vehicle loading and/or maneuvering areas).

Section 9-13-36 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 501.3.8.1 (5.3.8.1), BUILDING SITE WASTE MANAGEMENT PLAN

Repeal Section 501.3.8.1 (5.3.8.1) Building Site Waste Management Plan, and replace with the following:

501.3.8.1 (5.3.8.1) Building Site Waste Management Plan. A building site waste management plan shall be developed and implemented for excavated soil, rock, and land-clearing debris. Land-clearing debris includes trees, stumps, and vegetation. Diverted land-clearing debris and removed rock and soil shall not be sent to sites where development activity is prohibited by Section 501.3.1.2 (5.3.1.2).

Not less than 75% of the land-clearing debris, rock, and excavated soils, excluding *invasive plant* materials, shall be diverted from disposal in landfills and incinerators, other than waste-to-energy systems with an energy-recovery efficiency rate higher than 60%. Where it can be shown that diverting 75% of land-clearing debris, rock, and soils is not feasible, to the satisfaction of the *code official*, divert from the landfill to the maximum extent possible. Land-clearing debris calculations shall be based on either weight or volume but not both. Receipts or other documentation related to diversion shall be maintained through the course of construction, and when requested by the *code official*, evidence of such diversion shall be provided.

The plan shall address all of the following:

- a. Land-clearing debris, rock, and soil to be diverted from disposal by composting, recycling, or reuse.
- b. Waste materials that will be diverted on-site.
- c. The locations to which waste materials will be diverted off-site.
- d. Soils to be stockpiled for future use at any location.
- e. Woody waste to be used as fuel.
- f. The destruction and disposal of *invasive plant* materials.
- g. The methods of removal and location of treatment and/or disposal of any contaminated soils.
- h. The treatment of vegetation to comply with the rules of government-designated quarantine zones for invasive insect species.

Section 9-13-37 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 601.1.1, ALTERNATE ON-SITE SOURCES OF WATER

601.1.1 Alternate On-Site Sources of Water. *Alternate On-Site Sources of Water* can include rainwater/stormwater harvesting, air conditioner condensate, grey water from interior applications and treated as required, swimming pool filter backwash water, foundation drain water, industrial process water, and on-site wastewater treatment *plant* effluent. Plumbing for grey water systems from any fixture up to, but not including the exterior irrigation system tank shall be inspected by the Authority Having Jurisdiction. The Idaho Department of Environmental Quality (IDEQ) shall have jurisdiction to inspect

and approve the installation of exterior irrigation system tank and all piping therefrom to the point of disposal in accordance IDAPA 58.1.03, "Individual/Subsurface Sewage Disposal Rules." Grey water system and design criteria requirements related to irrigation and leaching shall be determined in accordance with the requirements as established by the IDEQ. Where non-potable water is used for a water application, signage shall be provided in accordance with Chapter 16, Part 2, of the *Idaho State Plumbing Code*.

Section 9-13-38 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 601.1.2, RECLAIMED WATER

601.1.2 Reclaimed Water. The design of any *reclaimed water* and/or reuse system must be permitted and approved by the Idaho Department of Environmental Quality (IDEQ) in accordance with IDAPA 58.01.17, "Recycled Water Rules." All planning, design, and operation of any reuse facilities shall be under the authority of IDEQ. All piping associated with the collection and distribution of these systems shall be inspected by the Authority Having Jurisdiction in accordance with the *Idaho State Plumbing Code*. Where non-potable water is used for a water application, signage shall be provided in accordance with Chapter 16, Part 2, of the *Idaho State Plumbing Code*.

Section 9-13-39 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 601.3.1.1 (6.3.1.1), LANDSCAPE DESIGN

601.3.1.1 (6.3.1.1) Landscape Design. A minimum of 60% of the area of the improved landscape shall be in biodiverse planting of native plants, adaptive plants, low water use vegetation, and/or rainfall-ET_c compatible plants. Consultation on acceptable plant materials can occur with the Boise City Planning Division.

Exceptions:

1. The area of dedicated athletic fields, recreational fields, parks, golf courses, driving ranges, areas dedicated for production of food for human consumption, and similar, at the discretion of the code official, shall be excluded from the calculation of the improved landscape for uses such as schools, outdoor sports facilities, residential common areas, parks, or public recreational facilities.
2. Landscape areas irrigated solely with alternate on-site sources of water shall be exempt from these requirements.
3. Where the average annual rainfall is less than 12 inches (300 mm), plants other than turfgrass, with an annual ET_c of 15 inches (380 mm) or less, shall be deemed equivalent to rainfall-ET_c compatible plants.

Section 9-13-40 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 601.3.1.2 (6.3.1.2), IRRIGATION (OPTIONAL)

601.3.1.2 (6.3.1.2) Irrigation (Optional). When chosen to be complied with, landscaped areas, not greater than 80% of *improved landscape* area is allowed to be irrigated with *potable water*. The area of dedicated athletic fields shall be excluded from the calculation of the *improved landscape* for schools, *residential* common areas, and public recreational facilities. All other irrigation shall be provided from *alternate on-site sources of water* or municipally reclaimed water.

Exception: *Potable water* is allowed to be temporarily used on such newly installed landscape for the *landscape establishment period*. Where municipally reclaimed water is available at a water main within 200 ft (60 m) of the project site, such water shall be used instead of *potable water* during the *landscape establishment period*. After the *landscape establishment period* has expired, all irrigation water use shall comply with the requirements established elsewhere in this code.

Section 9-13-41 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 601.3.5.3 (6.3.5.3), WASTE CONNECTIONS

601.3.5.3 (6.3.5.3) Waste Connections. Wastewater from water softener regeneration shall not discharge to reclaimed water collection systems and shall discharge in accordance with the *Idaho State Plumbing Code*.

Section 9-13-42 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 601.3.6 (6.3.6), REVERSE OSMOSIS WATER TREATMENT SYSTEMS

601.3.6 (6.3.6) Reverse osmosis water treatment systems. Reverse osmosis systems shall be equipped with an automatic shutoff valve that prevents the production of reject water when there is no demand for treated water. Point-of-use reverse osmosis treatment systems for drinking water shall be listed and labeled in accordance with NSF 58. The discharge pipe from a reverse osmosis drinking water treatment unit shall connect to the building drainage system in accordance with section 611.2 of the *Idaho State Plumbing Code*.

Section 9-13-43 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 601.3.7 (6.3.7), ON-SITE RECLAIMED WATER TREATMENT SYSTEMS

601.3.7 (6.3.7) Onsite reclaimed water treatment systems. On site reclaimed water treatment systems, including grey water reuse treatment systems and wastewater treatment systems, used to produce non-potable water for use in water closet and urinal flushing, surface irrigation and similar applications shall be listed and labeled in accordance with NSF 350 and must be permitted and approved by the Idaho Department of Environmental Quality (IDEQ) in accordance with IDAPA 58.01.17, as referenced in sections 601.1.1 and 601.1.2 of this code.

Section 9-13-44 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 701.3.4 (7.3.4), AUTOMATED DEMAND RESPONSE (OPTIONAL)

701.3.4 (7.3.4) Automated Demand Response (Optional). When chosen to be complied with, *building projects* may contain *automatic* control systems that have the capability to reduce building equipment loads to lower electric peak demand of the building.

The building controls may be designed with automated demand-response (DR) infrastructure capable of receiving DR requests from the utility, electrical system operator, or third-party DR program provider and automatically implementing load adjustments to the HVAC and lighting systems. Consult with local utility company for any possible eligibility requirements.

Section 9-13-45 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 701.4.1.1 (7.4.1.1), ON-SITE RENEWABLE ENERGY SYSTEMS (OPTIONAL)

701.4.1.1 (7.4.1.1) On-Site Renewable Energy Systems (Optional). When chosen to be complied with, *building projects* shall comply with either the Standard Renewables Approach in Section 701.4.1.1.1 (7.4.1.1.1) or the Alternate Renewables Approach in Section 701.4.1.1.2 (7.4.1.1.2). When complied with, this can be considered as equivalency to a Renewable Energy EA Credit in Normative Appendix E, Table E101.1.

Section 9-13-46 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 701.4.3.3 (7.4.3.3), DUCT LEAKAGE TESTS

701.4.3.3 (7.4.3.3) Duct Leakage Tests. Leakage tests shall comply with the requirements in ANSI/ASHRAE/IES Standard 90.1, Section 6.4.4.2.2.

Section 9-13-47 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 701.4.3.10.5 (7.4.3.10.5), AUTOMATIC CONTROL

Delete Section 701.4.3.10.5 (7.4.3.10.5), Automatic Control.

Section 9-13-48 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE ITEM C. AND EXCEPTIONS OF SECTION 701.4.6.5 (7.4.6.5), PARKING AND OUTDOOR SALES LIGHTING

Delete item c. and exceptions of Section 701.4.6.5 (7.4.6.5), Parking and Outdoor Sales Lighting.

Section 9-13-49 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 701.4.7.5 (7.4.7.5), REFRIGERATED DISPLAY CASES

701.4.7.5 (7.4.7.5) Refrigerated Display Cases. All vertical standing refrigerated display cases shall be covered by using field-installed strips, curtains, or doors.

Section 9-13-50 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 801.3.1.8 (8.3.1.8), Building Entrances, Exception #2

Amend Exception #2, of Section 801.3.1.8 (8.3.1.8) as follows:

2. Entrances that employ an entryway floor system that is not less than 4 ft. (1.3 m) in length to provide access to spaces that are less than 3,000 ft² (300 m²) in area.

Section 9-13-51 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 801.3.3 (8.3.3), ACOUSTICAL CONTROL

801.3.3 (8.3.3) Acoustical Control. The provisions of this section shall govern acoustical control for the interior spaces within the building or structure for interior sound transmission.

Other elements specified in this section, such as the building envelope and the design of the related mechanical equipment and systems, are provided as designer options.

Designs shall be in compliance with Sections 801.3.3.1 (8.3.3.1) through 801.3.3.5 (8.3.3.5).

Section 9-13-52 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 801.3.4 (8.3.4), SOIL-GAS CONTROL

801.3.4 (8.3.4) Soil-Gas Control. In known areas, per the Idaho Department of Health and Welfare, where elevated soil-gas may be present, soil-gas entry into enclosed spaces that are immediately above crawlspaces, slabs-on-grade, and basement slabs shall be controlled in accordance with Sections 801.3.4.1 (8.3.4.1) or 801.3.4.2 (8.3.4.2).

Exceptions:

1. Buildings or portions thereof that are not routinely occupied, such as warehouses and parking structures.
2. Ventilated garages that comply with ANSI/ASHRAE Standard 62.1, Sections 5.15 and 6.5.

Section 9-13-53 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 901.3.1.1 (9.3.1.1), CONSTRUCTION WASTE MATERIAL DIVERSION

901.3.1.1 (9.3.1.1) Construction Waste Material Diversion. A minimum of 35% of nonhazardous construction and demolition waste material generated prior to the issuance of the final certificate of occupancy shall be diverted from disposal in landfills and incinerators as waste, for reuse, recycling, repurposing, and/or composting. Excavated soil and land clearing debris shall not be included in this waste diversion calculation. *Alternative daily cover* and waste-to-energy incineration shall not be included as diverted material. All diversion calculations shall be based on either weight or volume, but not both, throughout the construction process. Reports, receipts, or other documentation related to diversion shall be maintained through the course of construction, and when requested by the *code official*, evidence of such diversion shall be provided.

Section 9-13-54 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 901.3.1.3 (9.3.1.3), CONSTRUCTION MATERIAL AND WASTE MANAGEMENT PLAN

901.3.1.3 (9.3.1.3) Construction Material and Waste Management Plan. A Construction Material and Waste Management Plan shall be developed and implemented to reuse, recycle, or salvage construction materials and waste. This plan can be submitted upon application for a permit, or can be requested to be a deferred submittal, however, the plan must be submitted for review and approval prior to the first inspection on the construction site. The Construction Material and Waste Management Plan shall include the following:

- a. Identify the construction and demolition waste materials expected to be diverted from disposal in landfill by reuse, recycling, manufacturer's reclamation, or salvage for future use, donation, or sale.
- b. The percentage of materials to be diverted shall be specified and shall be calculated by weight or volume, but not both.
- c. The location for collection, separation and storage of recyclable construction

- waste shall be indicated.
- d. Determine whether construction and demolition waste materials are to be source-separated or comingled.
 - e. Identify service providers and designate destination facilities for construction and demolition waste materials generated at the job site.
 - f. Identify the average diversion rate for facilities that accept or process comingled construction and demolition materials. Separate average percentages shall be included for those materials collected by construction and demolition materials processing facilities that end up as *alternative daily cover* and incineration.

Demolition materials and waste shall include from existing buildings or portions of existing buildings. Construction materials and waste shall include all materials delivered to the site and intended for installation prior to the issuance of the certificate of occupancy, including related packaging and delivery materials.

Section 9-13-55 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 901.3.3 (9.3.3), REFRIGERANTS

Delete Section 901.3.3 (9.3.3), Refrigerants.

Section 9-13-56 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 901.3.4 (9.3.4), AREAS FOR STORAGE AND COLLECTION OF RECYCLABLES AND DISCARDED GOODS

901.3.4 (9.3.4) Areas for Storage and Collection of Recyclables and Discarded Goods.

Areas for recyclables and discarded goods shall be provided as described in this section. These areas shall be coordinated with the anticipated collection services to maximize the effectiveness of the dedicated areas. Instructions regarding the identification and handling of recyclables and discarded goods in these areas shall be posted in or adjacent to each dedicated area. Recycling areas shall be designed and constructed in accordance with the City of Boise Solid Waste Ordinance.

Section 9-13-57 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 901.3.4.3 (9.3.4.3), FLUORESCENT AND HIGH-INTENSITY DISCHARGE (HID) LAMPS AND BALLASTS

Delete Section 901.3.4.3 (9.3.4.3), Fluorescent and High-Intensity Discharge (HID) Lamps and Ballasts.

Section 9-13-58 IGCC GREEN CONSTRUCTION CODE AMENDMENT, DELETE SECTION 901.3.4.4 (9.3.4.4), ELECTRONICS AND BATTERIES

Delete Section 901.3.4.4 (9.3.4.4), Electronics and Batteries.

Section 9-13-59 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 1001.1.1, FUNCTIONAL AND PERFORMANCE TESTING PROVIDER AND COMMISSIONING PROVIDER

1001.1.1 Functional and Performance Testing Provider and Commissioning Provider. The

registered design professional in responsible charge, engineers independent from the design of the project, an approved commissioning provider, qualified designers experienced with a designated system, owner's qualified employees, or any combination thereof, shall perform functional and performance testing activities, as required by this Chapter.

The registered design professional in responsible charge, engineers independent from the design of the project, an approved commissioning provider, or any combination thereof, shall perform building commissioning and testing activities, as required by this Chapter.

Section 9-13-60 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD SECTION 1001.1.2, QUALIFICATIONS

1001.1.2 Qualifications. Personnel employed as a functional and performance testing provider or as an approved commissioning provider shall demonstrate competence, qualifications, and experience to the satisfaction of the *code official*. This includes having certifications such as from AABC Commissioning Group (ACG), American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), National Environmental Balancing Bureau (NEBB), Association of Energy Engineers (AEE), Building Commissioning Association (BCXA), or equivalent.

Professional architects or engineers conducting commissioning and/or testing shall be licensed with the State of Idaho, including in the applicable discipline for the type of work being commissioned and/or tested.

Documentation outlining qualifications, experience, and copies of certifications or licenses shall be provided to the *code official* for acceptance.

Section 9-13-61 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 1001.3.1.1.2.1 (10.3.1.1.2.1), ACOUSTICAL FIELD MEASUREMENT

1001.3.1.1.2 (10.3.1.1.2) Acoustical Field Measurement. As required by Chapter 8 (Section 8), the FPT specified in Section 1001.3.1.1.2.1.2 (10.3.1.1.2.1.2), Interior Sound Transmission, testing shall be completed.

Other elements specified in Section 1001.3.1.1.2.1.1 (10.3.1.1.2.1.1), Interior Background Sound Levels, and Section 1001.3.1.1.2.1.3 (10.3.1.1.2.1.3), Property Line Sound, testing shall be completed when the designer chooses these as options in the design.

Section 9-13-62 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 1001.3.1.2.3 (10.3.1.2.3), CX ACTIVITIES PRIOR TO BUILDING OCCUPANCY, ITEM B

Amend Item B of Section 1001.3.1.2.3, Cx Activities Prior to Building Occupancy, as follows:

- b. The *owner* shall be provided with a preliminary Cx report per compliance with Section 1001.3.1.3 (10.3.1.3). Prior to the issuance of a Certificate of Occupancy or Certificate of Completion, a copy of the preliminary Cx report shall be submitted to and accepted by the *code official*.

Section 9-13-63 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 1001.3.1.3.4 (10.3.1.3.4), FINAL CX REPORT

1001.3.1.3.4 (10.3.1.3.4) Final Cx Report. After issuance of a Certificate of Occupancy or Certificate of Completion, the Cx *provider* shall provide to the *owner*, prior to Cx provider project tasks completion, a final Cx report that complies with ANSI/ASHRAE/IES Standard 202, and such report shall be made available to the *code official* upon request.

Section 9-13-64 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 1001.3.1.4 (10.3.1.4), EROSION AND SEDIMENTATION CONTROL (ESC)

1001.3.1.4 (10.3.1.4) Erosion and Sedimentation Control (ESC). Develop and implement an ESC plan for all construction activities. Regardless of the size of the site, the ESC plan shall conform to the erosion and sediment control requirements of the most current version of the IDEQ, IPDES Construction General Permit for Discharge Activities. All projects must schedule and pass an ESC Site Preparation Inspection at the start of the project and an ESC Site Final Inspection prior to a Certificate of Occupancy being granted.

Section 9-13-65 IGCC GREEN CONSTRUCTION CODE AMENDMENT, SECTION 1001.3.1.9 (10.3.1.9), SOIL-GAS CONTROL

1001.3.1.9 (10.3.1.9) Soil-Gas Control. In known areas, per the Idaho Department of Health and Welfare, where elevated soil-gas may be present, the building shall be tested, postconstruction, for radon in accordance with ANSI/AARST MALB. The indoor radon concentration shall be below 4.0 pCi/L. Where radon testing indicates that the indoor radon concentration is 4.0 pCi/L or greater, radon mitigation shall be conducted in accordance with ANSI/AARST RMS-LB, and the building shall be retested to verify that the radon concentration is below 4.0 pCi/L.

Section 9-13-66 IGCC GREEN CONSTRUCTION CODE AMENDMENT, ADD NORMATIVE APPENDIX E WITH TABLE E101.1, ADDITIONAL LEED CREDIT POINTS

Normative Appendix E with Table E101.1, Additional LEED Credit Points. In addition to meeting provisions of *the International Green Construction Code*, applicants shall select from the LEED credit type options listed, with applicable corresponding LEED sections adopted by reference, in Table E101.1, to total at least seven (7) credit points.

**NORMATIVE APPENDIX E
TABLE E101.1 ADDITIONAL LEED CREDIT POINTS**

Credit Type*	LEED v4.1 Section**	Points Available	Summary of Requirement
LT Credit	Access to Quality Transit	1-5	Development near multimodal transportation choices. Locate with ¼ mile of transit site. 1-5 points based on transit frequency.
LT Credit	Reduced Parking Footprint – No Parking or Reduce Parking,	1	Do not exceed minimum local code requirements for parking capacity, provide 30% reduction below base parking ratios,

	Carshare, or Unbundling Parking		projects with no off-street parking meet requirements. Or Carshare or Unbundling Parking.
LT Credit	Electric Vehicles – Electric Vehicle Supply Equipment, or Electric Vehicle Ready Infrastructure	1	Provide charging infrastructure for electric vehicles for onsite parking.
SS Credit	Open Space	1	Provide outdoor space greater than or equal to 30% of the total site area (including building footprint).
WE Credit	Outdoor Water Use Reduction – Option 2, Reduced Irrigation	1	Enhanced reduction: (IgCC base accounts for 1 point), another 1 point available. Reduce outdoor potable water consumption and preserve no and low-cost potable water resources.
WE Credit	Indoor Water Use Reduction	2-5	Enhanced reduction: (IgCC base accounts for 1 point), up to 5 other points available. Reduce indoor potable water consumption and preserve no and low-cost potable water resources.
EA Credit	Optimize Energy Performance	1-18	Analyze efficiency measures during the design process and account for the results in design decision making. Up to 18 points awarded based on percentage improvement with energy modeling.
EA Credit	Renewable Energy	1-3	Off-site existing renewable energy system up to 3 points (all 3 points if on geothermal system).
EA Credit	Renewable Energy	1-5	Require onsite renewable energy for up to 5 points for onsite or new renewables (or 2 points if on geothermal system).
EA Credit	Enhanced Refrigeration Management – Option 1, No Refrigerants or Low-Impact Refrigerants	1	Prohibit chlorofluorocarbon (CFC) or hydrochlorofluorocarbon (HCFC) based refrigerants in new heating, ventilating, air conditioning, and refrigeration (HVAC&R) systems.
MR Credit	Sourcing of Raw Materials	1-2	Use products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts.

*Credit Type refers to the LEED Section. LT=Location and Transportation, SS=Sustainable Sites, WE=Water Efficiency, EA=Energy and Atmosphere, MR=Materials and Resources.

**[LEED v4.1](#) provides sections and details for these provisions to obtain credit points.

Section 9-13-67 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.2.3 (H4.2.3), SINGLE-RAFTER ROOF INSULATION

Delete Section H401.2.3 (H4.2.3), Single-Rafter Roof Insulation, from Informative Appendix H.

Section 9-13-68 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.2.5 (H4.2.5), HIGH-SPEED DOORS

Delete Section H401.2.5 (H4.2.5), High-Speed Doors, from Informative Appendix H.

Section 9-13-69 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.2.7 (H4.2.7), PERMANENT PROJECTIONS

Delete Section H401.2.7 (H4.2.7), Permanent Projections, from Informative Appendix H.

Section 9-13-70 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.2.10 (H4.2.10), ORIENTATION

Delete Section H401.2.10 (H4.2.10), Orientation, from Informative Appendix H.

Section 9-13-71 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, SECTION H401.3.3 (H4.3.3), DUCT LEAKAGE TESTS

H401.3.3 (H4.3.3) Duct Leakage Tests. Leakage tests shall be performed in compliance with the requirements in ANSI/ASHRAE/IES Standard 90.1, Section 6.4.4.2.2.

Section 9-13-72 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.3.6 (H4.3.6), EXHAUST AIR ENERGY RECOVERY

Delete Section H401.3.6 (H4.3.6), Exhaust Air Energy Recovery, from Informative Appendix H.

Section 9-13-73 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.5.3 (H4.5.3), AUTOMATIC CONTROLS FOR EGRESS AND SECURITY LIGHTING

Delete Section H401.5.3 (H4.5.3), Automatic Controls for Egress and Security Lighting, from Informative Appendix H.

Section 9-13-74 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.5.5 (H4.5.5), PARKING AND OUTDOOR SALES LIGHTING

Delete Section H401.5.5 (H4.5.5), Parking and Outdoor Sales Lighting, from Informative Appendix H.

Section 9-13-75 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX H, DELETE SECTION H401.5.6.2 (H4.5.6.2), SUPERMARKET HEAT RECOVERY

Delete Section H401.5.6.2 (H4.5.6.2), Supermarket Heat Recovery, from Informative Appendix H.

Section 9-13-76 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX I, SECTION I101.1 (I1.1), ITEM D, REGISTRATION, LICENSURE, OR CERTIFICATION OF A CX PROVIDER

- d. **Registration, Licensure, or Certification of a Cx Provider.** Personnel employed as a functional and performance testing provider or as an approved

commissioning provider shall demonstrate competence, qualifications, and experience to the satisfaction of the code official. This includes having certifications such as from AABC Commissioning Group (ACG), American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), National Environmental Balancing Bureau (NEBB), Association of Energy Engineers (AEE), Building Commissioning Association (BCXA), or equivalent.

Professional architects or engineers conducting commissioning and/or testing shall be licensed with the State of Idaho, including in the applicable discipline for the type of work being commissioned and/or tested.

Documentation outlining qualifications, experience, and copies of certifications or licenses shall be provided to the code official for acceptance.

Section 9-13-77 IGCC GREEN CONSTRUCTION CODE AMENDMENT, INFORMATIVE APPENDIX J, SECTION J101.1, RESIDENTIAL REQUIREMENTS DETERMINED BY THE AUTHORITY HAVING JURISDICTION

J101.1 Residential requirements determined by the authority having jurisdiction. Where an applicant has voluntarily elected to comply for the project types listed in Sections J101.1.1 through J101.1.5 of this Chapter, a minimum of the Bronze rating level for the Green Building Categories shall be met in the ICC/ASHRAE 700 *National Green Building Standard*. A minimum of the One Star rating level for the Green Subdivision Category shall be met in the ICC/ASHRAE 700 *National Green Building Standard*.