



2022 CITY OF SCOTTSDALE AMENDMENTS  
TO THE  
INTERNATIONAL GREEN CONSTRUCTION CODE,  
2021 EDITION

Ordinance No. 4576, Resolution No. 12505

**2022 City of Scottsdale Amendments  
to the International Green Construction Code, 2021 Edition**

**SCOTTSDALE REVISED CODE  
CHAPTER 31 – BUILDING AND CONSTRUCTION REGULATIONS**

**ARTICLE X. GREEN CONSTRUCTION CODE**

**Section 31-140. Adoption of International Green Construction Code.**

The International Green Construction Code (IgCC), 2021 Edition, by the International Code Council, Inc., declared a public record by city Resolution No. 12505, is adopted by reference as part of the city Building Code.

**Section 31-141. IgCC CHAPTER 1, SCOPE AND ADMINISTRATION – amendments.**

*Only the following portions of CHAPTER 1, SCOPE AND ADMINISTRATION, are amended:*

*(a) Section 101.1, Title, is amended to read as follows:*

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

*(b) Section 101.3, Scope, is amended to read as follows, including adding a new Section 101.3.2:*

**101.3 Scope.** The provisions of this code shall apply to the design, construction, addition, alteration, equipment, change of occupancy, relocation, replacement, demolition and removal of every commercial and multifamily building or structure or appurtenances connected or attached to such buildings or structures and to the building site on which the building is located except where otherwise noted. Occupancy classifications shall be determined in accordance with the *International Building Code*.

**101.3.1 Applicability.** The provisions of this code do not apply to the following:

1. One- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height above grade with a separate means of egress, their accessory structures, and the site or lot upon which these buildings are located.
2. Manufactured houses (mobile homes).
3. Manufactured houses (modular).
4. Building projects that use none of the following:
  - a. Electricity.
  - b. Fossil fuels.
  - c. Water.

**101.3.2 Above code programs.** Buildings registered for certification or designation under the following national or regionally recognized green building programs shall be deemed to comply with this code:

1. LEED green building rating system certification.
2. Green Globes green building rating system certification.
3. Living Building Challenge certification.

(c) Section 101.5, *Compliance*, is amended to read as follows:

**101.5 (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 mandatory provisions (x.3) and, where offered, either the:

1. Prescriptive Option (x.4) or
2. Performance Option (x.5).

(d) Section 101.5.1, *Jurisdictional options, including Table 101.5.1*, is deleted in its entirety.

(e) References to the “authority having jurisdiction” in this code shall mean the “building official” unless otherwise noted.

(f) Section 102.4, *Referenced codes and standards*, is amended to read as follows:

**102.4 Referenced codes and standards.** The building codes of the City of Scottsdale, adopted and amended in Chapters 31 and 36 of the Scottsdale Revised Code, shall be considered part of the requirements of this code.

(g) Section 103, *Code Compliance Agency*, is deleted in its entirety.

(h) Section 107.1, *Information on construction documents*, is amended to read as follows:

**107.1 Information on construction documents.** The content and format of construction documents shall comply with the *International Building Code* as adopted and amended in the Scottsdale Revised Code, Chapter 31, Article I.

(i) Section 108, *Fees*, is deleted in its entirety.

(j) Section 111.1, *General*, is amended to read as follows:

**111.1 General.** Appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of this code shall be made to the Building Advisory Board of Appeals as set forth in the Scottsdale Revised Code, Chapter 31, Article I.

**Section 31-142. IgCC CHAPTER 3, DEFINITIONS, ABBREVIATIONS AND ACRONYMS – amendments.**

*Only the following portions of CHAPTER 3 DEFINITIONS, ABBREVIATIONS AND ACRONYMS, are amended:*

(a) Section 301.2, *Definitions*, is amended by adding the following:

**automatic load management systems (ALMS):** A control system that allows multiple connected EVSE to share a circuit or panel and automatically reduce power at each charger, reducing the total connected electrical capacity of all EVSE.

**EV capable space:** A designated parking space provided with electrical raceway and capacity to support future EV charging.

**EV installed space:** A designated parking space with dedicated electric vehicle supply equipment.

**Section 31-143. IgCC CHAPTER 5, SITE SUSTAINABILITY – amendments.**

*Only the following portions of CHAPTER 5 SITE SUSTAINABILITY, are amended:*

(a) *Section 501.3.1, Site selection, including 501.3.1.1 and 501.3.1.2, is retitled and amended to read as follows:*

**Section 501.3.1 Land use and site development.** Land use and site development shall comply with Scottsdale Revised Code Appendix B.

(b) *Section 501.3.2, Predesign site inventory and assessment, is retitled and amended to read as follows:*

**501.3.2 Site inventory and assessment.** A plant inventory and assessment including natural features of the site shall comply with Scottsdale Revised Code Appendix B, Article VII, Section 7.504 and Article X.

(c) *Section 501.3.3, Plants, is amended to read as follows:*

**501.3.3 Plants.** Plants and landscaping shall comply with Scottsdale Revised Code Appendix B, Article VII, Section 7.503 and Article X.

(d) *Section 501.3.4, Stormwater management, is amended to read as follows:*

**501.3.4 Stormwater management.** Stormwater management systems, including, but not limited to infiltration, evapotranspiration; rainwater harvesting, collection and use shall comply with Scottsdale Revised Code, Chapter 37.

(e) *Section 501.3.5.2, Walls, is deleted in its entirety.*

(f) *Section 501.3.5.3, Roofs, is amended to read as follows:*

**501.3.5.3 Roofs.** Building and covered parking roof surfaces for *building projects* in Climate Zones 0 through 3 shall comply with Section C402.3 of the City Energy Code (IECC).

(g) *Section 501.3.6, Reduction of light pollution, is amended to read as follows:*

**501.3.6 Reduction of light pollution.** Reduction of light pollution shall comply with Scottsdale Revised Code Appendix B, Article VII, Section 7.600 to 7.603.

(h) *Section 501.3.7.1, Pedestrian and bicycle connectivity, and Section 501.3.7.2, Bicycle parking, are deleted in their entity and replaced with the following:*

**501.3.7.1 Pedestrian mobility, bicycle connectivity and bicycle parking.** Pedestrian mobility, bicycle connectivity, and bicycle parking shall comply with Scottsdale Revised Code Appendix B, Article IX, Sections 9.103, 9.104 and 9.106; and the Design Standards and Policies Manual (DSPM).

(i) A new Section 501.3.7.2 is added to read as follows:

**501.3.7.2 Changing and shower facilities.** Buildings with a total building floor area greater than 10,000 square feet (929 m<sup>2</sup>) and that are required to be provided with bicycle parking and storage in accordance with the city Zoning Ordinance and city design standards shall be provided with onsite changing room and shower facilities. Not less than one shower shall be provided for each 20 bicycle parking spaces, or fraction thereof, that are required by city ordinance. Where more than one changing room and shower facility is required, separate facilities shall be provided for each sex.

**Exception:** Group R-2 buildings.

(j) Section 501.3.7.3, *Electric vehicle charging facilities*, is amended to read as follows:

**501.3.7.3 Electric vehicle charging facilities.** *EV installed spaces* and *EV capable spaces* shall be provided in accordance with Table 501.3.7.3. The required number of *EV installed spaces* or *EV capable spaces* shall be rounded up to the next highest whole number. Where a branch circuit serves a single charging space, it shall have a capacity not less than of 8.3 kVA (40A, 208/240V). Where a branch circuit serves multiple charging spaces, an *Automatic Load Management System (ALMS)* may be used to reduce the total electrical capacity provided that all charging spaces are capable of simultaneously charging at a minimum rate of 4.1 kVA (20A, 208/240V).

For *EV capable* spaces, the electrical service panel shall have reserved circuit breaker space(s) labeled "Future EV Charging". Raceway(s) shall be installed from the electrical service panel to outlet box(es) within the planned EV charging parking area(s). Outlet box(es) shall be labeled "Future EV charging".

**TABLE 501.3.7.3  
ELECTRIC VEHICLE CHARGING INFRASTRUCTURE REQUIREMENTS**

<b>Occupancy Group</b>	<b>Minimum number of EV Installed Spaces<sup>a</sup></b>	<b>Minimum number of EV Capable Spaces<sup>a</sup></b>
Group R-1 (hotels, motels) and Group R-2 (apartments, condominiums)	4% of total required parking spaces	20% of total required parking spaces
Group A, B, E, F, I, M, and S	4% of total required parking spaces or not less than 8% of designated employee only parking spaces	10% of total required parking spaces

<sup>a</sup> Parking spaces designated for other than passenger vehicles may be excluded from the number of parking spaces used to calculate the minimum number of EV spaces.

(k) Section 501.3.8, *Building site waste management*, is deleted in its entirety.

**Section 31-144. IgCC CHAPTER 6, WATER USE EFFICIENCY – amendments.**

Only the following portions of CHAPTER 6 WATER USE EFFICIENCY, are amended:

(a) Section 601.3.1.1, *Landscape Design*, is amended to read as follows:

**601.3.1.1 Landscape Design.** Landscape design shall comply with Scottsdale Revised Code Appendix B, Article VII, Section 7.500 to 7.506 and Article X.

(b) Section 601.3.1.2, *Irrigation*, including Sections 601.3.1.2.1, 601.3.1.2.2, and 601.3.1.2.2.1 is amended to read as follows:

**601.3.1.2 Irrigation.** Irrigation systems shall comply with Sections 601.3.1.2.1 and 601.3.1.2.2.

**601.3.1.2.1 Irrigation system design.** The design of the irrigation system shall be performed by an accredited or certified irrigation professional and shall be in accordance with the following:

a. Irrigation systems:

1. Shall be based on *hydrozones*. *Turfgrass* areas shall be on their own *irrigation stations*. Trees in *turfgrass* shall have a separate drip irrigation zone.
2. Shall have backflow prevention in accordance with the city plumbing code (IPC).
3. Shall have a master valve on municipally supplied water sources that allows pressurization of the irrigation mainline only when irrigation is scheduled. The master valve shall be installed immediately downstream of the back flow prevention device.
4. Shall have an isolation valve installed immediately upstream of each irrigation control valve.

b. Irrigation *turfgrass* sprinklers:

1. Shall not spray water directly on buildings or *hardscape* area.
2. Shall be prohibited on landscape areas having any dimension less than 8 feet.
3. Shall be limited to use with *turfgrass*.
4. Sprinkler heads including rotors, heads with rotating and fixed spray nozzles shall contain pressure regulating sprinkler bodies.

c. Landscape emitters:

1. The drip irrigation control valve shall be equipped with a pressure regulator and a cleanable wye strainer filter.
2. At the end of each lateral, a flush cap shall be installed in a six (6) inch round pit box.
3. Drip emitters shall be of pressure compensating type.

**601.3.1.2.2 Irrigation Controllers.** All irrigation systems shall use a weather based smart irrigation controller that is WaterSense labeled or equivalent and capable of frequency adjustment and day exclusion.

**601.3.1.2.2.1.** The following settings and schedule for the irrigation control system shall be documented on the Compliance Certificate

- a. Precipitation rate of each *irrigation station*.
- b. *Plant* factors for each *hydrozone*.

- c. Soil type.
- d. Rain sensor settings.
- e. Peak demand schedule, including run times, cycle starts, and soak times.
- f. Maximum runtimes to prevent water runoff and standing water.
- g. Gallons per minute for each irrigation station.

(c) Section 601.3.1.2.3, *Irrigation of Rainfall-ET<sub>c</sub> Compatible Plants*, is deleted.

(d) The title of Section 601.3.2.1h, *Residential showerheads*, is amended to read as follows:

**h. Showerheads.**

(e) Section 601.3.2.1i, *Residential shower compartment (stall) in dwelling units and guest rooms*, is amended to read as follows:

**i. Residential shower compartment (stall) in dwelling units and guest rooms.** The total flow rate from all shower outlets controlled by one valve shall not exceed 2.0 gpm (7.6 L/min). This includes hand-held sprays, body sprays, jets, waterfalls and rain systems.

(f) Section 601.3.2.1j, *Water-bottle Filling Stations*, is amended to read as follows:

**j. Water-bottle filling stations.** Water dispensers shall be an integral part of or shall be installed adjacent to all drinking fountains as required by Section 410.1.1 of the City Plumbing Code (IPC).

(g) Section 601.3.2.3e relating to *HVAC Condensate*, is deleted.

(h) Section 601.3.2.5, *Commercial food service operations*, is amended to read as follows:

**601.3.2.5 (6.3.2.5) Commercial food service operations.** (e.g., restaurants, cafeterias, food preparation kitchens, caterers, etc.). Commercial food service operations:

- a. Shall use high-efficiency prerinse spray valves (i.e., valves that function at 1.3 gpm [4.9 L/min] or less and comply with a 26 second performance requirement when tested in accordance with ASTM F2324).
- b. Shall use dishwashers that comply with the requirements of the ENERGY STAR Program for Commercial Dishwashers.
- c. Shall use boilerless/connectionless food steamers that consume no more than 2.0 gal/h (7.5 L/h) in the full operational mode.
- d. Shall use combination ovens that consume not more than 10 gal/h (38 L/h) in the full operational mode.
- e. Shall use air-cooled ice machines that comply with the requirements of the ENERGY STAR Program for Commercial Ice Machines.

(i) Section 601.3.2.6, *Medical and laboratory facilities*, is deleted.

(j) Section 601.3.3, *Hot-Water Distribution*, including Sections 601.3.3.1 and 601.3.3.2, is amended to read as follows:

**601.3.3 Hot-Water Distribution.** Hot-water distribution systems shall comply with Sections C404.5 and C404.6 of the City Energy Code (IECC).

(k) Section 601.3.4, *Special Water Features*, is amended to read as follows:

**601.3.4 Special Water Features.** Special water features including ornamental fountains shall comply with Scottsdale Revised Code Chapter 49, Article VII, Division 1, Section 49-242.

(l) Section 601.3.5, *Water consumption measurement, including 601.3.5.1, 601.3.5.2 and 601.3.5.3*, is amended to read as follows:

**601.3.5 Water consumption measurement.** Metering shall comply with Scottsdale Revised Code Chapter 49, Article II, Division 1, Section 49-32.

(m) Section 601.3.8, *On-site reclaimed water treatment systems*, is deleted in its entirety.

(n) Section 601.3.9, *Dual water supply plumbing*, is deleted in its entirety.

### **Section 31-145. IgCC CHAPTER 7, ENERGY EFFICIENCY – amendments.**

(a) CHAPTER 7, *ENERGY EFFICIENCY*, is deleted in its entirety except for the following sections, which are amended to read as follows:

**701.1 Scope.** This section specifies requirements for energy efficiency for buildings and appliances and for *on-site renewable energy systems*.

**701.2 Compliance.** Energy systems shall comply with the amended Section 701.3 of this code and the City Energy Code (IECC). The exception for air barriers in Sections C402.5.1 and C402.5.1.2 of the IECC shall not apply.

**701.3 On-site renewable energy systems.** *Building projects* shall contain on-site photovoltaic systems with a total rated capacity in accordance with one of the following:

1. Not less than 3 percent of the annual estimated energy used within the building for building mechanical, service water-heating and lighting.
2. Not less than 2 watts per square foot (22 W/m<sup>2</sup>) multiplied by the horizontal projection of the gross roof area over *conditioned spaces* and *semiheated spaces*.

**Exceptions:**

1. A building with gross conditioned floor area less than 5,000 square feet (465 m<sup>2</sup>)
2. On-site renewable energy systems, other than photovoltaic systems, that result in an equal or greater annual energy production.
3. All or part of the required renewable energy generation is permitted to be replaced by equivalent annual energy savings, as calculated using the total building performance compliance path in Section C407 of the City Energy Code (IECC).

Onsite renewable energy systems shall be tested after installation to verify that the installed performance meets design specifications. A report of the tested performance shall be provided to the building owner, and to the building official, if requested by the city. Onsite renewable energy systems shall be individually metered.



**Section 31-146. IgCC CHAPTER 8, INDOOR ENVIRONMENTAL QUALITY (IEQ) – amendments.**

Only the following portions of CHAPTER 8, INDOOR ENVIRONMENTAL QUALITY (IEQ), are amended:

(a) Section 801.3.1, Indoor air quality, is deleted in its entirety and amended to read as follows:

**801.3.1 Indoor air quality.** Buildings shall comply with the ventilation requirements of Chapter 4 of the City Mechanical Code (IMC).

(b) Section 801.3.2, Thermal environmental conditions for human occupancy, is deleted in its entirety.

(c) Section 801.3.3, Acoustical control, is amended to read as follows:

**801.3.3 Acoustical control.** Buildings shall comply with Section 1206, Sound Transmission and Section 1207, Enhanced Classroom Acoustics, of the City Building Code (IBC).

(d) Section 801.3.4, Soil-gas control, is deleted.

(e) Section 801.3.5, Lighting quality, is deleted.

(f) Section 801.3.6, Moisture control, is deleted.

(g) Section 801.3.7, Glare control, is deleted.

(h) Section 801.3.8, Occupant override, is deleted.

(i) Section 801.3.9, Exterior views, is deleted.

(j) Section 801.4.1, Daylighting, is amended to read as follows:

**801.4.1 Daylighting.** Buildings shall comply with Section C402.4.2, Minimum skylight fenestration area, of the City Energy Code (IECC).

(k) Section 801.4.2, Materials, including the exception is amended to read as follows:

**801.4.2 Materials.** Reported emissions or volatile organic compound (VOC) contents specified in the following subsections shall be from a representative product sample. Products certified under third-party certification programs as meeting the specific emission requirements listed in the following subsections shall be deemed to comply.

(l) Section 801.4.2.1, Adhesives and sealants, is amended to read as follows, including adding a new table:

**801.4.2.1 Adhesives and sealants.** At least 85 percent by weight or volume, of specific categories of site-applied adhesives and sealants used on the interior side of building envelope, shall comply with the VOC content limits in Table 801.4.2.1 or alternative VOC emission limits in Table 801.4.2.1.1.

**TABLE 801.4.2.1  
VOC CONTENT LIMITS FOR ADHESIVES AND SEALANTS**

<b>ADHESIVES</b>	<b>VOC LIMIT grams per liter (g/L) <sup>a,b</sup></b>
Building envelope membrane adhesive	250
Carpet and carpet pad adhesives	50

Ceramic tile adhesives	65
Cove base adhesives	50
Drywall and panel adhesives	50
Multipurpose construction adhesives	70
Rubber floor adhesive	60
Structural glazing adhesives	100
Subfloor Adhesive	50
VCT and asphalt tile adhesives	50
Wood flooring adhesives	100
<b>SEALANTS</b>	
Architectural sealants including foam and grout	250

- a. Values in this table are derived from those specified by SCAQMD Rule 1168, October 2017.  
b. For low-solid adhesives and sealants, the VOC limit is expressed in grams per liter of material as specified in SCAQMD Rule 1168. For all other adhesives and sealants, the VOC limits are expressed in grams of VOC per liter of adhesive or sealant less water and less exempt compounds as specified in SCAQMD Rule 1168.

**Table 801.4.2.1.1  
ADHESIVES AND SEALANTS VOC EMISSION LIMITS**

VOC	LIMIT
Individual	$\leq \frac{1}{2}$ CA chronic REL <sup>a</sup>
Formaldehyde	$\leq 16.5 \mu\text{g}/\text{m}^3$ or $\leq 13.5 \text{ ppb}^b$

- a. CDPH/EHLB/Standard Method V.1.1 Chronic Reference Exposure Level (CREL).  
b. Formaldehyde emission levels need not be reported for materials where formaldehyde is not added by the manufacturer of the material,

(m) Section 801.4.2.2, *Paints and coatings*, is amended to read as follows, including adding a new table:

**801.4.2.2 Paints and coatings.** At least 85 percent by weight or volume, of site-applied interior architectural coatings shall comply with the VOC content limits in Table 801.4.2.2 or alternative VOC emission limits in Table 801.4.2.2.1.

**TABLE 801.4.2.2  
VOC CONTENT LIMITS FOR PAINTS AND COATINGS**

CATEGORY	VOC LIMIT grams per liter (g/L) <sup>a,b</sup>
Flat paints	50
Nonflat paints	50
Nonflat High-gloss paints	150

Specialty coatings:	
Concrete/masonry sealers	100
Floor coatings	50
Primers, sealers and undercoats	100
Stains	250
Wood coatings	275

- a. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.
- b. Values in this table are derived from those specified by the California Air Resources Board *Suggested Control Measure for Architectural Coatings* dated May 2020.

**Table 801.4.2.2.1  
PAINTS AND COATINGS VOC EMISSION LIMITS**

VOC	LIMIT
Individual	≤ ½ CA chronic REL <sup>a</sup>
Formaldehyde	≤ 16.5 µg/m <sup>3</sup> or ≤ 13.5 ppb <sup>b</sup>

- a. CA Chronic Reference Exposure Level (CREL).
- b. Formaldehyde emission levels need not be reported for materials where formaldehyde is not added by the manufacturer of the material.

(n) Section 801.4.2.3, *Floor covering materials*, is amended to read as follows, including adding a new table:

**801.4.2.3 Floor covering materials.** At least 85 percent of the total area of flooring installed within the interior of the building shall comply with the requirements in Table 801.4.2.3. Where flooring with more than one distinct product layer is installed, the emissions from each layer shall comply with these requirements. The test methodology used to determine compliance shall be from CDPH/EHLB/Standard Method V1.2 (commonly known as California Section 01350). The emissions testing shall be performed by a laboratory that has the CDPH/EHLB/Standard Method V1.2 test methodology in the scope of its ISO 17025 Accreditation. Products certified under third-party certification programs as meeting the specific emission limits in Table 801.4.2.3 shall be an acceptable means for compliance.

**801.4.2.3.1 Deemed to comply.**

1. Floor covering products certified under nationally recognized third-party certification programs as meeting the emission requirements of Table 801.4.2.3.
2. Floor covering materials listed in Table 801.4.2.3.1, where post-manufacture coatings or surface applications have not been applied.

**Table 801.4.2.3  
FLOOR COVERING VOC EMISSION LIMITS**

VOC	LIMIT
Individual	≤ ½ CA chronic REL <sup>a</sup>
Formaldehyde	≤ 16.5 µg/m <sup>3</sup> or ≤ 13.5 ppb

a. CA Chronic Reference Exposure Level (CREL).

**TABLE 801.4.2.3.1  
FLOOR COVERING MATERIALS DEEMED TO COMPLY  
WITH VOC EMISSION LIMITS**

Ceramic and concrete tile
Natural stone
Gypsum plaster
Clay masonry
Concrete masonry
Concrete
Metal

(o) Section 801.4.2.5, *Office furniture systems and seating*, is deleted.

(p) Section 801.4.2.6, *Ceiling and wall assemblies and systems*, is retitled and amended to read as follows, including adding a new table:

**801.4.2.6 Acoustical ceiling tiles and wall systems.** At least 85 percent of the total area of acoustical ceiling tiles and wall systems, shall comply with the requirements in Table 801.4.2.6. Where ceiling and wall systems with more than one distinct product layer are installed, the emissions from each layer shall comply with these requirements. The test methodology used to determine compliance shall be from CDPH/EHLB/Standard Method V1.2 (commonly known as California Section 01350). The emissions testing shall be performed by a laboratory that has the CDPH/EHLB/ Standard Method V1.2 test methodology in the scope of its ISO 17025 Accreditation.

**801.4.2.6.1 Deemed to comply.**

1. Ceiling and wall products certified under nationally recognized third-party certification programs as meeting the emission requirements of Table 801.4.2.6.
2. Ceiling and wall materials listed in Table 801.4.2.6.1 where post-manufacture coatings or surface applications have not been applied.

**TABLE 801.4.2.6  
ACOUSTICAL CEILING AND WALL  
PRODUCTS VOC EMISSION LIMITS**

VOC	LIMIT
Individual	≤ ½ CA chronic REL <sup>a</sup>
Formaldehyde	≤ 16.5 µg/m <sup>3</sup> or ≤ 13.5 ppb

a. CA Chronic Reference Exposure Level (CREL).

**TABLE 801.4.2.6.1  
ACOUSTICAL CEILING AND WALL MATERIALS DEEMED TO  
COMPLY WITH VOC EMISSION LIMITS**

Ceramic and concrete tile
Natural Stone
Gypsum plaster
Clay masonry
Concrete masonry
Concrete
Metal

(q) Section 801.4.2.7, *Insulation*, is deleted.

(r) Section 801.4.3, *Lighting for presentations*, is deleted.

**Section 31-147. IgCC CHAPTER 9, MATERIALS AND RESOURCES – amendments.**

*Only the following portions of CHAPTER 9, MATERIALS AND RESOURCES, are amended.*

(a) Section 901.3.1.1, *Diversion*, is amended to read as follows:

**901.3.1.1 Diversion.** A minimum of 50% of nonhazardous construction, demolition, or deconstruction waste material shall be diverted from disposal in landfills and incinerators through reuse, recycling, repurposing, and/or composting. Excavated soil and land-clearing debris shall not be included in the calculation. *Alternative daily cover* and waste-to-energy incineration shall not be included as diverted material. All diversion calculations shall be based on weight throughout the construction process.

**Exception:** Building projects less than 5,000 sq. ft. of new, added or remodeled floor area.

(b) Section 901.3.1.2, *Total waste*, is deleted.

(c) Section 901.3.4.1, *Recyclables*, is amended to read as follows:

**901.3.4.1 Recyclables.** There shall be areas dedicated to the collection and storage of nonhazardous materials for recycling, including paper, corrugated cardboard, glass, plastics, and metals. Mailrooms, breakrooms, and kitchen/kitchenette areas shall be provided with built-in or pull-out recycling containers. Site location for refuse/recycling pick up shall be identified.

(d) Section 901.3.4.3, *Fluorescent and high-intensity discharge (HID) lamps and ballasts, is retitled and amended to read as follows:*

**901.3.4.3 Trash disposal and recycling facilities.** Every *dwelling unit* shall be provided with a kitchen cabinet pull-out compartment containing no fewer than two bins, each with a capacity of at least 7-gallons, for the separation and collection of trash and recyclable materials.

Multifamily buildings 4 or more stories shall be provided with separate trash and recycling chutes or recycling collection area on each floor. Multifamily mailrooms and common kitchen/kitchenette areas shall be provided with built-in or pull-out recycling containers. Space shall be allocated for central collection and storage of refuse and recyclable materials until pick up.

(e) Section 901.3.4.4, *Electronics and batteries, is deleted.*

(f) Section 901.3.5, *Mercury content levels of lamps, is deleted.*

**Section 31-148. IgCC CHAPTER 10, CONSTRUCTION AND PLANS FOR OPERATION – amendments.**

(a) *Chapter 10, CONSTRUCTION AND PLANS FOR OPERATION, is deleted in its entirety and replaced with the following:*

**CHAPTER 10 – CONSTRUCTION AND PLANS FOR OPERATION**

**1001.1 Scope.** This section specifies requirements for construction and plans for operation, including commissioning, functional performance testing, metering, and reporting.

**1001.2 Compliance.** Construction and plans for operation of commercial buildings shall comply with Section C408 of the City Energy Code (IECC), Maintenance Information and System Commissioning.