

# City of Scottsdale

## 2021 International Green Construction Code (IgCC)

### Development Review (DR) Checklist

rev. 1-17-23



This is an abbreviated checklist for IgCC compliance measures that need to be addressed during the DR process. Please refer to the building plan review checklist for complete IgCC compliance requirements.

#### 1. HEAT ISLAND MITIGATION

- Not less than 50 percent of site hardscape shall be provided with one or any combination of the following options: (a) shading by trees; (b) hardscape materials with an initial solar reflectance value of not less than 29; (c) open-graded (uniform-sized) aggregate; permeable pavement; permeable pavers, porous pavers (open-grid pavers); (d) shading structures; and/or (e) parking under a building, in accordance with 2021 IgCC Section 501.3.5.1.

#### 2. ENERGY COMPLIANCE PATH

- Performance-based compliance (required when total vertical fenestration is  $\geq 40\%$ )
  - Submit preliminary energy performance modeling analysis in accordance with 2021 IECC Section C407
- Prescriptive-based compliance (allowed when total vertical fenestration is  $\leq 40\%$ )  
Comply with mandatory and prescriptive requirements in the 2021 IECC.

#### 3. ONSITE RENEWABLE ENERGY SYSTEM

- Design for on-site renewable energy system (solar PV) that provides not less than 3% of annual estimated energy used for building mechanical, service water heating and lighting or not less than 2 watts per sq. ft. multiplied by the gross roof area over conditioned space, in accordance with IgCC amended Section 701.3.

#### 4. REFUSE AND RECYCLING COLLECTION

- Locate and design for refuse and recycling enclosure in accordance with Design Standards and Policies Manual (DSPM) Section 2-1.309.
- For multi-family residential, provide not less than two 7-gallon minimum pull-out bins for recycling and trash as part of kitchen base cabinets. Allocate common area locations for collection and storage of materials via trash/recycling chutes, trash/recycling rooms and site refuse/recycling pick-up.
- Provide built-in or pull-out recycling containers in mailrooms, breakrooms and common kitchen/kitchenette areas. Allocate location(s) for collection, storage and pickup of materials.

#### More Information:

Scottsdale's Commercial Green Construction Code link –  
<https://www.scottsdaleaz.gov/green-building-program/green-codes>

IgCC document link - <https://codes.iccsafe.org/public/document/IgCC2015>