

City of Scottsdale 2021 International Green Construction Code (IgCC)



Development Review (DR) Site Checklist

rev. 8-5-24

This is an abbreviated checklist for IgCC compliance measures that need to be addressed during the planning and DR process.

1. HEAT ISLAND MITIGATION

- Not less than 50 percent of site hardscape shall be provided with one or any combination of following options: **(a)** trees that provide required shade no later than 10 years after project completion; **(b)** hardscape materials with an initial solar reflectance value of 29 or more (new concrete has value of 35); **(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, per IgCC Section 501.3.5.1.

2. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE FOR LEVEL 2 CHARGING

<input type="checkbox"/> Occupancy Group	Min. number of <i>EV Installed Spaces</i>	Min. number of <i>EV Capable Spaces</i>
R-1 (hotels, motels) and R-2 (apartments, condos)	4% of total required parking spaces	20% of total required parking spaces
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

EV capable space is defined as a designated parking space provided with electrical raceway and electrical service capacity to support future EV charging.

EV installed space is defined as a designated parking space with dedicated electric vehicle supply equipment. NEMA 14-50 electrical outlets will satisfy this requirement.

3. ENERGY COMPLIANCE PATH

- Prescriptive-based compliance (allowed when total vertical fenestration is $\leq 40\%$)
- Performance-based compliance (required when total vertical fenestration is $\geq 40\%$)

4. ONSITE RENEWABLE ENERGY SYSTEM

- Design for on-site renewable energy system (solar PV) that provides not less than 3% of annual estimated energy or not less than 2 watts per sq. ft. multiplied by the gross roof area over conditioned space. (IgCC amended Section 701.3).
- Exceptions include 1) Buildings with a gross conditioned floor area less than 5,000 sq. ft. or 2) Buildings with a minimum 20% estimated annual savings calculated using the total building performance compliance path in accordance with Section C407 of the City Energy Code (IECC).

5. REFUSE AND RECYCLING COLLECTION

- Site location for refuse/recycling pick up shall be identified (IgCC 901.3.4.1).

More Information: Scottsdale's Building Code Information link – <https://www.scottsdaleaz.gov/codes-and-ordinances/building-codes>