

# Proposed International Green Construction Code (IgCC) Provisions

Area	Proposed MANDATORY Provision	Current Policies	Expected Outcomes
<b>SITE SUSTAINABILITY</b>	1. Heat island mitigation for 50% of asphalt parking area via shade or cool paving surfaces	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Reduction of urban heat island sinks</li> <li>• Supports General Plan heat island mitigation goals (EP7)</li> </ul>
	2. EV capable charging for commercial buildings (10% of parking spaces to be EV capable and 4% to have EV charging equipment installed)	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Improved air quality and reduced green-house emissions</li> <li>• Supports General Plan clean air goals (EP3.1)</li> </ul>
	Provisions that govern land use, building site and protection of environmental sensitive lands	SRC Appendix B: Basic Zoning Ordinance, Art VI, Sec 6.1010: Environmentally Sensitive Lands (ESL)	No change
	Provisions that govern the protection of native plants and landscaping	SRC Appendix B: Basic Zoning Ordinance, Art VII, Sec 7.500: Native Plan Materials and Art X: Landscaping Requirements	No change
	Provisions that govern ground water runoff and retention through stormwater management	SRC Chapter 37: Stormwater and Floodplain Management	No change
	Provisions that require cool roofs for commercial buildings	IECC C402.3	No change
	Provisions that regulate outdoor lighting	SRC, App B, Art VII, Sec 7.600: Outdoor Lighting	No change
	Provisions that govern bicycle parking	SRC App B, Art IX, Sec 9.103: Parking Requirements, 9.106: Design standards for public and private on-site ingress, egress, maneuvering and parking areas	No change
<b>WATER EFFICIENCY</b>	3. Water efficient landscape irrigation systems	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Reduce overwatering on urban desert landscapes</li> <li>• Supports General Plan (WR2.7) drought tolerant plant goals</li> </ul>
	Max flow rates for water efficient plumbing fixtures	Plumbing Code (IPC 604.4 amend)	No change
	Max pipe length for efficient hot water delivery	Plumbing Code (IPC 607.2.1)	No change
<b>ENERGY EFFICIENCY AND RENEWABLES</b>	4. Solar PV system installation with exceptions based on building area (< 5,000 sf) or equivalent energy savings from efficiency improvements	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Supports net zero &amp; carbon reduction goals of General Plan (E1&amp;2)</li> <li>• Supports APS and SRP 2030/35 and 2050 clean energy commitments</li> </ul>
	Provisions for sealed building thermal envelope; efficient cooling/heating and lighting systems	IECC chapter 4	No change
	Provisions for establishing a rooftop solar ready zone for future solar PV installation	IECC Appendix RB	No change
<b>INDOOR ENVIRONMENTAL QUALITY</b>	5. Low VOC paints, sealants, adhesives, flooring, and acoustical ceiling tiles	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Concern for indoor air quality has driven the demand of healthier interior products. Supports General Plan (H1.9).</li> <li>• The industry has moved away from oil-based solvents; vast majority of paints and coatings are water-based which contain a fraction of VOCs.</li> </ul>
	Minimum ventilation rate requirements for exhaust and outside air intake based on occupancy and building use	Mechanical (IMC) 403 and chapter 5	No change
	Sound insulation provisions for multi-family	Building (IBC) 1206	No change
	Daylighting requirements for commercial building	Energy Codes (IECC) C402.4.2	No change
<b>MATERIAL RESOURCES</b>	6. Construction waste management with minimum 50% diversion rate from landfill including paper, cardboard, plastics, wood, metal, masonry, and tile	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Construction waste management helps redirect recyclable and recovered resources back to the manufacturing process and redirect reusable materials to appropriate sites. It reduces demand for virgin resources and thereby reduces environmental impacts. Supports the General Plan (EP4).</li> </ul>
	7. Reduced impact material options -- 10% recycled content materials, -- 15% local/regional materials, -- 5% sustainably certified wood, or -- Environmental Product Declarations (EPDs) that provides transparency (similar to nutrition labels) on environmental impacts of at least 10 products	VOLUNTARY (potentially mandatory with development agreement zoning bonuses)	<ul style="list-style-type: none"> <li>• Building industry uses local and regional materials such as concrete and masonry (local first)</li> <li>• Most steel and metals contain recycled content</li> <li>• Sustainable Forest Initiative (SFI) or Forest Stewardship Council (FSC) certified wood</li> <li>• Supports General Plan goals (EP4) for resource efficient materials</li> </ul>
	Requirements for trash and recycling chutes in multifamily buildings	Building Code (IBC) 1211 Amendment	No change
	Provisions for site accessible trash and recycling dumpsters for collection and pick-up	Design Standards & Policy Manual (DSPM)	No change
	Requirements for types of construction	Building Code (IBC) 602 – Types I, II, III, IV and V	No change