

## Comparison of Unamended 2012 and 2018 IgCC Editions - Major Section Changes

2012 IgCC	2018 IgCC	2018 Highlights
<b>101 General</b> 101.4 Appendices	<b>101.4 Application</b> 101.4.1 Prescriptive options or Performance Options 101.4.2 Referenced Standards 101.4.3 Normative appendices 101.4.4 Informative appendices 101.4.5 Referenced Standards Annexes	
<b>Ch 5 Material Resource Conservation and Efficiency</b> 402 Preservation of Natural resources 405 Management of Veg., Soils and Erosion Control 403 Stormwater Management 408 Mitigation of Heat Island Effect 409 Light Pollution 407 Mitigation of Transportation Impacts 406 Building Site Waste Management	<b>Ch 5 Site Sustainability - Mandatory Provisions</b> 501.3.1 Site Selection (Allowable sites) 501.3.3 Plants 501.3.4 Stormwater Management 501.3.5 Mitigation of Heat Island Effect 501.3.6 Light Pollution 501.3.7 Mitigation of Transportation Impacts 501.3.8 Building Site Waste Management (during construction)	501.3.3, 501.3.5: New provisions for vegetated terrace and roofing systems. 501.3.8: New section for plans during construction for site waste management
<b>Ch 6 Energy Conservation, Efficiency and CO2e Emission Reduction</b> 404 Landscape irrigation and outdoor fountains 702 Fixtures, Fittings, Equipment, Appliances  705 Metering 704 Water Treatment Devices and Equipment  709 Reclaimed Water Systems	<b>Ch 6 Water Use Efficiency - Mandatory Provisions</b> 601.3.1 Site Water Use Reduction - Landscaping and Irrigation 601.3.2 Building Water Use Reduction - fixtures and appliances 601.3.3 Special Water Features - Ornamental fountains 601.3.4 Water Consumption Measurement 601.3.5 Water Softeners 601.3.6 Reverse Osmosis Water Treatment Systems 601.3.7 On-Site Reclaimed Water Treatment Systems 601.3.8 Dual Water Supply Plumbing	Ch 6 Water use moved from prescriptive option to mandatory provisions. 601.3.2.1 Water-bottle filling stations. 601.3.4, 601.3.5 : Reverse osmosis and on-site reclaimed water to reduce water use. 601.3.8: Nonpotable water to flush urinals and
<b>Ch 7 Water Resource Conservation, Quality and Efficiency</b>  610 Building Renewable Energy Systems 603 Energy Metering, Monitoring and Reporting 604 Automated Demand Response 605 Building Envelope Systems 606 Building Mechanical Systems	<b>Ch 7 Energy Efficiency</b> <b>Mandatory Provisions</b> 701.3.1 Continuous Air Barrier 701.3.2 On-Site Renewable Energy Systems 701.3.3 Energy Consumption Management 701.3.4 Automated Demand Response  <b>Prescriptive Requirements</b>	701.3.3.2: Requirement to "Track and Assess Energy Consumption". 701.3.4: Replaces mandatory peak load reduction. 701.4.2.1: Change from 10% to 5% in U-, C-, and F-factors. 701.4.3: Lowered

608	Building Electrical Power and Lighting Systems	701.4.1	On-site Renewables (See Appendix B)	threshold for duct leakage testing. 701.4.2.5: Deleted requirements for building façade projections in Climate Zone 4A. 701.4.6: Tables revised to target a high level of performance. 701.4.6.4: Increased lighting reduction from 30% to 50% for exterior
608	Building Electrical Power and Lighting Systems	701.4.2		
609	Specific Appliances and Equipment	701.4.3	HVAC	
602	Modeled Performance Pathway	701.4.5	Power	
		701.4.6	Lighting	
		701.4.7	Other Equipment	
		<b>Performance Alternatives</b> (see Appendix C)		
		701.5.1	Annual Energy Cost analysis	
		701.5.2	Annual Carbon Dioxide Equivalent (CO2e)	
<b>Ch 8 Indoor Environmental Quality and Comfort</b>		<b>Ch 8 Indoor Environmental Quality (IEQ)</b>		801.3.4: Requires a higher level of indoor moisture control than Standard 62.1.
		<b>Mandatory Provisions</b>		
804	Specific IEQ and Pollutant Control	801.3.1	IEQ	
802	Building Construction Features	801.3.2	Thermal Environmental Conditions	
807	Acoustics	801.3.3	Acoustical Control	
		801.3.4	Soil-Gas Control	
		801.3.5	Lighting Quality	
507	Building Envelope Moisture Control	801.3.6	Moisture Control	
		801.3.7	Glare Control	
		<b>Perscriptive Requirements</b> or		
808	Daylighting	801.4.1	Daylighting	
505	Material Selection	801.4.2	Materials (i.e. int. finish)	
		801.4.3	Lighting for Presentations	
		<b>Performance Alternatives</b>		
		801.5.1	Daylight Simulation	
		801.5.2	Materials (See Appendix D)	
		801.5.3	Lighting for Presentations	
<b>Ch 9 Commissioning, Operation and Maintenance</b>		<b>Ch 9 Materials and Resources</b>		901.3.5: Footnote clarification to provide a method for adjusting the % reduction for buildings with unregulated energy costs exceeding 35%.
		<b>Mandatory Provisions</b>		
503	Construction Waste Management	901.3.1	Construction Waste Management	
		901.3.2	Extracting, Harvesting/Manufacturing	
504	Waste Management and Recycling	901.3.3	Refridgerants	
506	Lamps	901.3.4	Areas for Storage/Collection Recyclables	
303	Whole Building Life Cycle Assessment	901.3.5	Mercury Content Levels of Lamps	

		<b>Perscriptive Requirements or</b> 901.4.1 Reduced Impact Materials <b>Performance Alternatives</b> 905.1.1 Life-Cycle Assessment (LCA)	
<b>Ch 10 Existing Buildings</b>		<b>Ch 10 Construction and Plans For Operation - Mandatory Provisions</b>	<b>10.3.1.2 Commissioning of systems based on industry standard ANSI/ASHRAE/IES 202.</b>
904 Building and Maintenance		1001.3.1 Construction 1001.3.2 Plans for Operation	
Ch 11 Existing Building Site Development			
Ch 12 Referenced Standards		Ch 11 Normative References	
Appendix A Project Electives		Appendix A Climate Zones and Prescriptive Building Envelope and Duct Insulation Tables	
Appendix B Radon Mitigation		Appendix B Prescriptive Equipment Efficiency Tables for the Altenate Reduced Renewables and Increased Equipment Efficency Approach in Section 701.4.1.1.2	
Appendix C Optional Ordinance		Appendix C Performance Option for Energy Efficiency	
Appendix D Enforcement Procedures		Appendix D Building Concentrations	
ASHRAE Standing Standard Project Committee		Appendix E Building Envelope Tables	
Appendix A Prescriptive Building Envelope Tables		Appendix F Integrated Design	
Appendix B Prescriptive Continuous Ait Barrier		Appendix G Informative References	
Appendix C Prescriptive Equipment Equipment Efficiency Tables		Appendix H Option for Energy Efficiency Using the IECC Prescriptive Compliance Path	
Appendix D Performance Option for Energy Efficiency		Appendix I Additional Guidance for Functional and Perfomance Testing and the Commissioning Process	
Appendix E IAQ Limit Requirements for Office Furniture Systems and Seating		Appendix J Option for Residential Compliance Using the National Green Building Standard	
Appendix F Building Concentrations		Appendix K Addenda Description Information	
Appendix G Informative Reference			
Appendix H Integrated Design			
Appendix I Addenda Description Information			