

APPENDIX B

COMPARISON OF PREREQUISITE AND ELECTIVE PROVISIONS OF LEED TO PRESCRIPTIVE AND ELECTIVE PROVISIONS OF THE IgCC

INTEGRATIVE PROCESS				
LEED <ul style="list-style-type: none"> Maximize opportunities for integrated, cost effective adoption of green design and construction strategies, emphasizing human health as a fundamental evaluative criterion for building design, construction and operational strategies Utilize innovative approaches and techniques for green design and construction 				
IgCC <ul style="list-style-type: none"> Use of an integrated design process by the design team 				
Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Integrative Process (Owner's Project Requirements, Preliminary Rating Goals, Integrated Project Team, Design Charrette)	✓ (Healthcare only)			✓
SITE DEVELOPMENT/LAND USE				
LEED <ul style="list-style-type: none"> Avoid development on inappropriate sites Reduce vehicles miles traveled Conserve land and protect farmland and wildlife habitat by encouraging development in areas with existing infrastructure Enhance livability/improve human health by encouraging daily physical activity 				
IgCC <ul style="list-style-type: none"> Chapter 4 of the IgCC Provides requirements for the development and maintenance of buildings and building sites to minimize negative environmental impacts and to protect, restore and enhance the natural features and environment quality of the site 				
Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Neighborhood Development Location		✓	✓	
Sensitive Land Protection		✓	✓	
High Priority Site		✓	✓	
Surrounding Density and Diverse Uses		✓	✓	
Access to Quality Transit		✓		
Bicycle Facilities		✓	✓	✓
Reduced Parking Footprint		✓		
Green Vehicles		✓		
Preferred Vehicles Parking			✓	

Infill Site		✓		✓
Brownfield Site		✓		✓
Site Restoration		✓		✓
SUSTAINABLE SITES				
LEED <ul style="list-style-type: none"> • Reduce pollution from construction activities • Protect health of vulnerable populations • Assess site conditions before design to evaluate sustainable options • Conserve existing natural areas and restore damaged areas • Create open spaces • Reduce runoff volume and improve water quality • Reduce heat islands • Increase night sky access and improve nighttime visibility IgCC <ul style="list-style-type: none"> • Chapter 4 of the IgCC • Provides requirements for the development and maintenance of building and building sites to minimize negative environmental impacts and to protect, restore and enhance the natural features and environment quality of the site 				
Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Construction Activity Pollution Prevention	✓			
Environmental Site Assessment	✓ (Schools and Healthcare only)		✓	
Site Assessment		✓	✓	
Protect or Restore Habitat		✓		✓
Open Space		✓		
Rainwater Management		✓	✓	
Heat Island Reduction		✓	✓	✓
Light Pollution Reduction		✓	✓	
Site Master Plan		✓ (Schools only)		
Tenant Design and Construction Guidelines		✓ (Core/Shell only)		
Places of Respite		✓ (Healthcare only)		
Direct Exterior Access		✓		

		(Healthcare only)		
Joint Use of Facilities		✓ (Schools only)		
Flood Hazard Area – Preservation, Minimization, Existing Building		✓		✓
Mixed-use Development		✓		✓
Changing and Shower Facilities		✓		✓
WATER EFFICIENCY				
LEED <ul style="list-style-type: none"> • Reduce outdoor and indoor water consumption • Support water management and identify opportunities for additional water savings • Conserve water used for cooling tower makeup while controlling microbes, corrosion, and scale in the condenser water system IgCC <ul style="list-style-type: none"> • Establish the means of conserving water, protecting water quality and providing for safe water consumption 				
	LEED		IgCC	
Design Elements	Prerequisite	Elective	Prescriptive	Elective
Outdoor Water Use Reduction	✓	✓		
Indoor Water Use Reduction	✓	✓	✓	
Building-Level Water Metering	✓	✓	✓	
Cooling Tower Water Use		✓	✓	
Onsite wastewater treatment		✓		✓
Alternate Uses of Nonpotable Water		✓		✓
Automatic Fire Sprinkler System		✓		✓
Gray Water Collection		✓		✓
ENERGY AND ATMOSPHERE				
LEED <ul style="list-style-type: none"> • Support the design, construction and operation of projects that meet project requirements for energy, water, indoor environmental quality and durability • Reduce environmental and economic harms of excessive energy use by achieving minimum energy efficiency • Support energy management and identify opportunities for additional energy savings • Reduce stratospheric ozone depletion • Increase participation in demand response technologies and programs that make energy generation and distribution systems more efficient, increase grid reliability, and reduce greenhouse gas emissions • Reduce environmental and economic harms associated with fossil fuel energy by increasing self-supply of renewable energy IgCC				

- Chapter 6 of the IgCC includes provisions to regulate the design, construction, commissioning, and operation of buildings and their associated building sites for the effective use of energy.
- Provide flexibility to permit the use of innovative approaches and techniques to achieve the effective use of energy.

Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Fundamental Commissioning and Verification	✓		✓	
Minimum Energy Performance	✓		✓	
Building-Level Energy Metering	✓		✓	
Fundamental Refrigerant Management	✓			
Enhanced Commissioning		✓	✓	
Optimize Energy Performance		✓		✓
Advance Energy Metering		✓	✓	
Demand Response		✓	✓	
Renewable Energy Production		✓	✓	✓
Enhanced Refrigerant Management		✓		
Green Power and Carbon Offsets		✓		
Post-occupancy Verification		✓	✓	
Passive Design		✓		✓

MATERIALS AND RESOURCES

LEED

- Reduce waste generated by building occupants and hauled to and disposed of in landfills
- Reduce construction and demolition waste disposed on in landfills and incineration facilities by recovering, reusing, and recycling materials
- Reduce mercury-containing products and devices and mercury release
- Encourage adaptive reuse and optimize environmental performance of products and materials
- Encourage the use of products and materials for which life-cycle information is available and have environmentally, economically, and socially preferable life-cycle impacts; and encourage selection of products from manufacturers with verified improved environmental life-cycle impacts

IgCC

- Chapter 5 of the IgCC
- Govern matters related to building material conservation, resource efficiency and environmental performance

Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Storage and Collection of Recyclables	✓		✓	
Construction and Demolition Waste Management Planning	✓	✓	✓	

Construction Material Management			✓	✓
Construction Phase Moisture Control			✓	
Material Selection (Used, Recycled, Recyclable, Bio-Based, Indigenous)			✓	✓
PBT Source Reduction - Mercury	✓ (Healthcare only)	✓ (Healthcare only)	✓ (Lamps only)	
PBT Source Reduction – Lead, Cadmium, and Copper	✓ (Healthcare only)	✓ (Healthcare only)		
Furniture and Medical Furnishings	✓ (Healthcare only)	✓ (Healthcare only)		
Design for Flexibility	✓ (Healthcare only)	✓ (Healthcare only)		
Building Life-Cycle Impact Reduction		✓	✓	
Building Product Disclosure and Optimization – Environmental Product Declarations		✓	✓	
Building Product Disclosure and Optimization – Sourcing of Raw Materials		✓		
Building Product Disclosure and Optimization – Material Ingredients		✓		
Building Service Life Plan				✓
Deconstruction and Building Reuse		✓		✓
Historic Building Reuse		✓		✓

INDOOR ENVIRONMENTAL QUALITY

LEED

- Contribute to comfort and well-being of building occupants by establishing minimum standards for indoor air quality
- Prevent or minimize exposure of building occupants, indoor surfaces, and ventilation air distribution systems to environmental tobacco smoke
- Provide classrooms that facilitate teacher-to-student and student-to-student communication through effective acoustic design
- Provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design
- Reduce concentrations of chemical contaminants
- Promote the well-being of construction workers and building occupants
- Establish better quality indoor air after construction and during occupancy
- Promote occupants' productivity, comfort, and well-being by providing quality thermal comfort and lighting
- Connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space

<ul style="list-style-type: none"> Connect building occupants to the natural outdoor environment by providing quality views 				
IgCC				
<ul style="list-style-type: none"> Chapter 8 of the IgCC Provide an interior environment that is conducive to the health of building occupants. 				
Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Minimum Indoor Air Quality Performance	✓		✓	
Environmental Tobacco Smoke Control	✓			
Minimum Acoustic Performance	✓ (Schools only)	✓	✓	
Enhanced Indoor Air Quality Strategies		✓		
Low-Emitting Materials		✓	✓	✓
Construction Indoor Air Quality Management Plan		✓	✓	
Thermal Comfort		✓	✓	
Interior Lighting		✓		
Daylight		✓	✓	
Quality Views		✓		✓
Operations and Maintenance Facilitation			✓	
Construction Stage Air Quality		✓	✓	
Pre-Occupancy Baseline Indoor Air Quality Testing		✓	✓	
Commissioning for Sound Levels		✓	✓	
OTHER				
LEED				
<ul style="list-style-type: none"> Encourage projects to achieve exceptional or innovative performance Encourage team integration required by a LEED project and streamline the LEED application and certification process Provide incentive for the achievement of credits that address geographically specific environmental, social equity, and public health priorities 				
IgCC				
<ul style="list-style-type: none"> Buildings, structures and building sites and parts thereof shall be operated and maintained in accordance with the code applicable at the time of construction Contains provisions required special inspections and minimum qualifications for third party special inspections and third party special inspection agencies Pre-occupancy commissioning reports and final commissioning reports Prescriptive requirements to control the alteration, repair, addition, maintenance and operation and change of occupancy of existing buildings and structures 				

- Prescriptive requirements to control the alteration, repair, maintenance and operation of existing building sites and the alteration to building site improvements

Design Elements	LEED		IgCC	
	Prerequisite	Elective	Prescriptive	Elective
Innovation		✓		
LEED Accredited Professional		✓		
Regional Priority		✓		
Special Inspection and Commissioning			✓	
Prescriptive Provisions for Alterations to Existing Buildings			✓	
Prescriptive Provisions for Alterations to Existing Buildings Sites			✓	