Major Program Updates @ CaGBC

Green Building Breakfast

February 2018
Zero Carbon as the New Performance Benchmark

The Key Components of the Zero Carbon Building Standard

1. Zero Carbon Balance
   - No net greenhouse gas (GHG) emissions are associated with building operations. GHG emissions are offset by generating clean, renewable energy onsite or offsite.

2. Efficiency
   - New construction projects consider peak energy while maximizing energy efficiency with a focus on the building envelope and ventilation strategies that drive down thermal energy demand.

3. Renewable Energy
   - Onsite renewable energy is incorporated into new construction projects to provide added resiliency, minimize offsite environmental impacts, and prepare buildings for a distributed energy future.

4. Low-Carbon Materials
   - An assessment of the carbon associated with structural and envelope materials—from manufacturing to end of life— informs design decisions.
CaGBC® ZERO
CARBON BUILDING
PILOT PROGRAM

City of Vancouver
Zero Emissions Fire Hall | Vancouver, BC

East Port Properties
Wilkinson Avenue Net-Zero Heating Energy Warehouse | Dartmouth, NS

EcoLock
EcoLock, Carbon Capture Mini Storage | Kalamazoo, MI

Province of Ontario
Walkerton Clean Water Centre | Walkerton, ON

Mohawk College
Joyce Centre for Partnership & Innovation | Hamilton, ON

Okanagan College
Health Sciences Centre (HSC) | Kelowna, BC

Oxford Properties Group
20 Bay Street | Toronto, ON
1133 Melville | Vancouver, BC

Perkins+Will
Confidential Mixed-Use Development | Vancouver, BC

Public Service and Procurement Canada
Arthur Meighen Building, 22-55 St. Claire Avenue East | Toronto, ON

Seigneurie-des-Mille-Îles School Board
New Cercle-Royal Elementary School | Saint-Eustache, QC

TerraView Homes & Newton Group
NMA Truck | Residential, Commercial Net Zero Building | Guelph, ON

The Cora Group
svv1 | Waterloo, ON

Toronto and Region Conservation Authority
Toronto and Region Conservation Authority (TRCA) New Headquarters | Toronto, ON

University of Calgary
MacKinnon Complex Redevelopment | Calgary, AB

cagbc.org/zerocarbon
LEED v4.1 – An update to LEED v4
Among the more exciting changes anticipated are:

- Updates to challenging Materials credit options, daylighting and acoustics.
- Increased energy efficiency stringency.
- Measures to increase the adoption of O+M to drive greater market transformation.
- Integration of the various rating systems that apply to homes and multi-family buildings into a new LEED for Residential rating system.
LEED v4.1 Pilots:

- Single family homes update in Q1
- O+M in Q2
- Residential rating system in Q3 (combines all multi-family paths)
- BD+C in Q3
- ID+C and ND later
GBCI Canada Launch
GBCI Canada Launch Event

- Learn more about GBCI Canada and all of the rating tools and accreditations coming to Canada.

- FEB 27th at TD CENTRE

Register Here for free: http://bit.ly/2nYQArd
Resources:


GBCI Canada: http://bit.ly/2o2EbTl

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