



buildgreenatlantic

INSPIRATION AND INNOVATION



SEPTEMBER 18 | HALIFAX, NS  
HALIFAX CONVENTION CENTRE

# CONFERENCE PROGRAM\*

7:30 – 8:00 a.m.	Conference Registration		
8:00 – 9:30 a.m.	<b>Breakfast, Conference Welcome &amp; Keynote Address – Room C3/C4</b> <b>Zero Carbon Design and Anticipated Occupancy Considerations</b> <i>Tony Cupido, Mohawk College</i>		
9:30 – 10:20 a.m.	<b>Session 1A – Room 102</b> <b>Panel - Affordable Housing – Strategy, Research and Practical Application</b> <i>Jeremie LeBlanc, CMHC; Raouf Chehaiber, CMHC; Ross Cantwell, Housing Trust of Nova Scotia</i>	<b>Session 1B – Room 103</b> <b>Advanced Wood Framing for Green Buildings</b> <i>Andrea Doncaster, Andrea Doncaster Engineering Ltd.</i>	<b>Session 1C – Room 104</b> <b>Can Existing Buildings Still be Carbon Neutral?</b> <i>Charline Cormier and Cait Dobbin, Stantec</i>
10:20 – 11:10 a.m.	<b>Session 2A – Room 102</b> <b>GBCI Canada Update – Accelerating and Scaling Up Market Transformation</b> <i>Thomas Mueller, CaGBC and GBCI Canada</i>	<b>Session 2B – Room 103</b> <b>Heating System Selection to Reduce Carbon Emissions in Nova Scotia</b> <i>Aaron Smith, M&amp;R Engineering</i>	<b>Session 2C – Room 104</b> <b>Sustainable Transportation Best Practices for Green Buildings</b> <i>Rochelle Owen and Scott McPhee, Dalhousie University</i>
11:10 – 11:30 a.m.	Break		
11:30 a.m. – 12:20 p.m.	<b>Session 3A – Room 102</b> <b>Using Financing Solutions to Make Your Building Greener</b> <i>Rob Mabe, CWB Maxium Financial</i>	<b>Session 3B – Room 103</b> <b>UNB's Kinesiology Building – The journey to a WELL Certified Building</b> <i>Craig Hickey and Dr. Wayne Albert, University of New Brunswick</i>	<b>Session 3C – Room 104</b> <b>Improving Energy Efficiency through Building Recommissioning and New Construction Upgrades</b> <i>Donald Dodge and Kristine Baillieul, Efficiency NS</i>
12:20 – 3:00 p.m.	Lunch on the Tradeshow Floor		
3:00 – 4:30 p.m.	<b>Closing Plenary – Room C3/C4</b> <b>Energy Benchmarking - Building a Voluntary Program in Nova Scotia</b> <i>James Capbell, NRCan; Mike Mellross, City of Edmonton; Patricia Duncan, NS DTIR</i> <i>Moderator: Donald Dodge, Efficiency NS</i>		
4:30 – 5:30 p.m.	Closing Wine & Cheese Reception - Room C3/C4 CaGBC Atlantic Chapter Leadership & Green Building Awards Ceremony - Room C3/C4 Join us as we recognize individuals and organizations that have made a significant contribution to advancing the green building industry in Atlantic Canada.		

# PROGRAM DETAILS

8:00 – 9:30 a.m.	<b>Breakfast, Conference Welcome &amp; Keynote Address</b> <b>Zero Carbon Design and Anticipated Occupancy Considerations</b> <i>Tony Cupido, Mohawk College</i> The Joyce Centre for Partnership and Innovation (JCPI) is the first net-zero institutional building in Ontario and is one of the CaGBC's 16 Zero Carbon Building pilot projects. Recently, the JCPI was awarded the ZCB – Design Certification. The JCPI will be entirely dedicated to the student experience and expand experiential learning at Mohawk. Students will enjoy the opportunity to learn through capstone projects, industry placements, co-op work terms, applied R&D and team competitions. This presentation will highlight design outcomes related to energy and building systems as well as a focus on student interaction and related occupancy considerations.
	<b>Session 1A</b> <b>Panel – Affordable Housing – Strategy, Research and Practical Application</b> <i>Jeremie LeBlanc, CMHC; Raouf Chehaiber, CMHC; Ross Cantwell, Housing Trust of Nova Scotia</i> This session will provide an overview of the National Housing Strategy that promotes diversity and inclusion and is a catalyst for more sustainable, assessible, mixed income and mixed-use communities. Research on energy efficient building performance that can be included in affordable housing projects will be shared. An update and case study on plans for a mixed-use affordable housing project planned by the NS Housing Trust will also be discussed.
9:30 – 10:20 a.m.	<b>Session 1B</b> <b>Advanced Wood Framing for Green Buildings</b> <i>Andrea Doncaster, Andrea Doncaster Engineering Ltd.</i> This session will describe what Advanced Wood Framing is, explains how it is beneficial for efficient material use and thermal efficiency, and details some of the techniques involved in advanced framing. Other recommendations for more sustainable wood frame construction and how Advanced Framing can be used to obtain LEED credits in LEED Canada for Home will also be discussed.
	<b>Session 1C</b> <b>Can Existing Buildings Still be Carbon Neutral?</b> <i>Cait Dobbin and Charline Cormier, Stantec</i> A discussion on what it takes to transform existing buildings from the 60's 70's 80's and 90's in to lean clean Carbon Neutral machines. Further we will look at several important starting points and intermittent targets that help guide us along the path to carbon neutrality but fall short of the target.
10:20 – 11:10 a.m.	<b>Session 2A</b> <b>GBCI Canada Update – Accelerating and Scaling Up Market Transformation</b> <i>Thomas Mueller, CaGBC and GBCI Canada</i> In this session you will gain an understanding of how GBCI Canada's programs will enable the Canadian green building industry to validate better building performance, operational savings and human health benefits. Thomas will explain how LEED v4, Parksmart, TRUE, Investor Confidence Project (ICP), ARC, SITES, PEER, WELL and GRESB can contribute to the acceleration of green building market transformation and mitigation of climate change in Canada and around the world.

10:20 – 11:10 a.m.

**Session 2B**

**Heating System Selection to Reduce Carbon Emissions in Nova Scotia**

*Aaron Smith, M&R Engineering*

The presentation will compare the lifecycle carbon emissions of various heating sources over a 30-year period (2020 – 2050). Anticipated technology improvements and electricity grid changes will be taken into account in an attempt to provide input on when it may be best for buildings to use an electricity-based heating system, e.g. now or in 15 years during an equipment replacement.

**Session 2C**

**Sustainable Transportation Best Practices for Green Buildings**

*Rochelle Owen and Scott McPhee, Dalhousie University*

This presentation will cover best practices for thinking about and designing sustainable transportation options in building design. The Office has created a Manual with standards, management protocol and procurement guidance that can be used by others for assisting in designing, procuring and managing spaces and programs.

11:30 a.m. – 12:20 p.m.

**Session 3A**

**Using Financing Solutions to Make Your Building Greener**

*Rob Mabe, CWB Maxium Financial*

This session will discuss how building owners can use financing solutions to make their buildings greener. We will explore financial structures that can enable the immediate implementation of building efficiency measures while preserving owner’s capital for other investment alternatives. The session will focus in how a financial institution can work with efficiency engineers to develop financial solutions, that not only preserve capital but create positive cashflow after debt service. Often efficiency measures don’t progress past the planning stage due to a lack of capital or insufficient operating budget. This session will explore options to overcome these hurdles.

**Session 3B**

**UNB’s Kinesiology Building – The journey to a WELL Certified Building**

*Craig Hickey and Dr. Wayne Albert, University of New Brunswick*

The University of New Brunswick has a new home for its Faculty of Kinesiology. This presentation will review the project from conceptual design through to construction of a 60,000 square foot building on a challenging site with a tight construction schedule. The building is targeting LEED Gold and WELL Silver certifications. The presentation will discuss the opportunities and challenges that were experienced to meet the WELL certification, which will be one of the first buildings certified by IWBI under their educational pilot program. The presentation will also discuss the project from the occupant’s perspective, the reason to pursue WELL, the benefits and the ongoing engagement of stakeholders post construction.

**Session 3C**

**Improving Energy Efficiency through Building Recommissioning and New Construction Upgrades**

*Donald Dodge and Kristine Baillieul, Efficiency Nova Scotia*

An overview of two of Efficiency Nova Scotia’s services, directed at the commercial segment, while highlighting successful projects that have gone through these services. Designed to help building developers, owners and property management companies not only reduce their electric energy use, but also create a more comfortable place for their tenants to work in, while keeping operating and maintenance costs as low as possible.

3:00 – 4:30 a.m.

**Closing Plenary**

**Energy Benchmarking – Building a Voluntary Program in Nova Scotia**

*James Capbell, NRCan; Mike Mellross, City of Edmonton; Patricia Duncan, NS DTIR; Moderator: Donald Dodge, Efficiency NS*

Building energy benchmarking, disclosure, and labelling programs will help us transition to a low carbon, sustainable energy future by making building energy performance more accessible. Energy benchmarking programs compile and compare building energy consumption across building stock in order to benchmark building energy performance, facilitate energy efficiency improvements and greenhouse gas reductions in existing buildings. The panel will outline the broad objectives of a national benchmarking strategy (NRCan) discuss building energy benchmarking successes to date (NS DTIR) and look at a municipal example of a voluntary building energy benchmarking program (Edmonton) and plans underway to develop a program for Nova Scotia.

**CaGBC ATLANTIC CHAPTER AWARDS NIGHT**

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Join us as we recognize individuals and organizations that have made a significant contribution to advancing the green building industry in Atlantic Canada.

**CANADA GREEN BUILDING COUNCIL ATLANTIC**  
CONSEIL DU BÂTIMENT DURABLE DU CANADA

**GREEN SPEED CONNECTING**

**OCTOBER 4, 2018 | 5:30 PM – 8:30 PM**  
The Auction House | 1726 Argyle Street | Halifax, NS

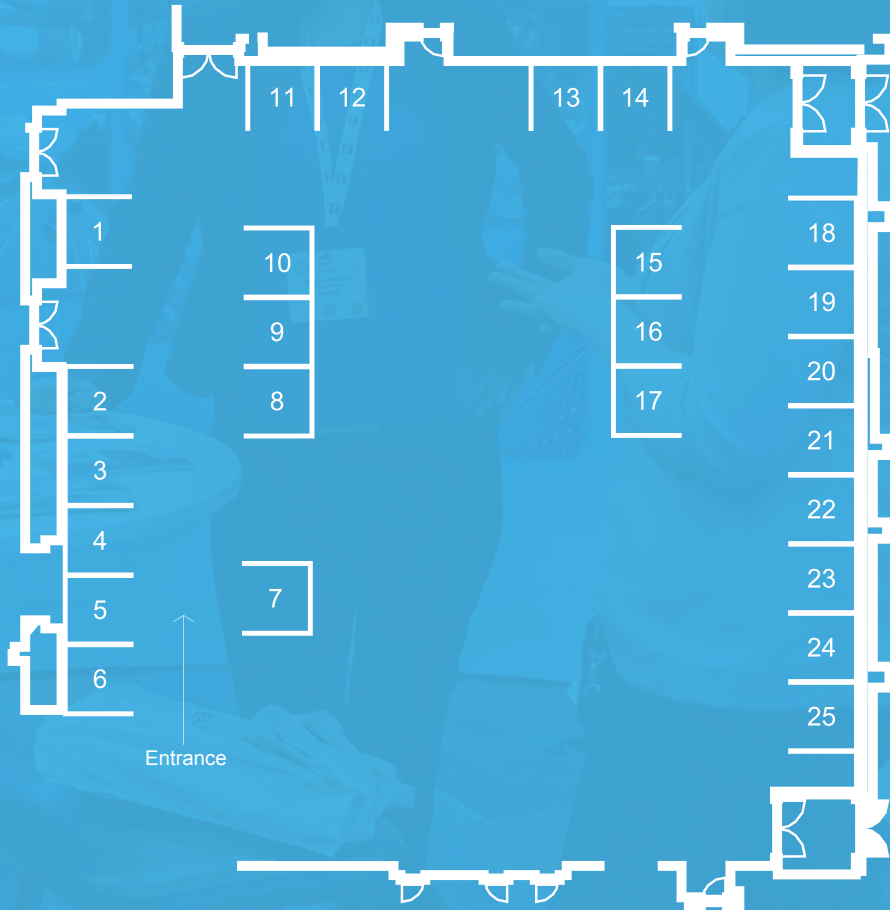
**OCTOBER 23, 2018 | 5:30 PM – 8:30 PM**  
St. James Gate | 14 Church Street | Moncton, NB

**OCTOBER 25, 2018 | 5:30 PM – 8:30 PM**  
The Pourhouse | 89 Great George St. | Charlottetown, PE

Learn more at [cagbc.org/Atlantic](http://cagbc.org/Atlantic)

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## TRADESHOW EXHIBITORS

<b>1</b>	Yorkland Controls	<b>14</b>	Nova Scotia Power
<b>2</b>	IES Halifax Section	<b>15</b>	Solar Global Solutions
<b>3</b>	EcoPilot Canada	<b>16</b>	Bird Stairs Limited
<b>4</b>	LiveRoof & Atlantic Green Contractors	<b>17</b>	Stantec
<b>5</b>	CertainTeed Gypsum and Insulation	<b>18</b>	Global Furniture Group
<b>6</b>	Kohltech Windows & Entrance Systems	<b>19</b>	Soprema
<b>7</b>	Trinity Energy Group	<b>20</b>	Forbo
<b>8</b>	Tremco Canada	<b>21</b>	Thermocell
<b>9</b>	Efficiency Nova Scotia	<b>22</b>	Sika Canada Inc.
<b>10</b>	Goodfellow	<b>23</b>	Peacock Façade & Floor
<b>11</b>	Truefoam Limited	<b>24</b>	NSCC
<b>12</b>	Agway Metals	<b>25</b>	Emerging Green Professionals
<b>13</b>	Hanatech		

## ENTER FOR YOUR CHANCE TO WIN PRIZES\*\*

Pick up a ballot at the registration table and get a stamp when you visit each exhibitor's booth. Collect at least 20 stamps and submit your ballot or business card by 3:00 p.m. at the end of the tradeshow to enter.\*\*\*

\* Many of the conference presentations are available in PDF by request. Please contact Lara Ryan at [Iryan@cagbc.org](mailto:Iryan@cagbc.org). If you are collecting GBCI Continuing Education credits, please pick up a form from the registration table.

\*\* Door prizes donated by the exhibitors will also be drawn for.

\*\*\* Delegates must have 20 stamps to be eligible. Prizes will be drawn during the closing wine and cheese reception. You must be present to claim your prize.

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