

Wood *WORKS!* E-Bulletin Branché sur le bois

The newsletter of the Wood *WORKS!* initiative / Le bulletin de l'initiative Branché sur le bois

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National

- **Mid-rise Wood Building Study**

Discussions of the feasibility and practicality for the construction of wood structured buildings over 5 stories have taken place. Experts evaluated and identified details specific to this study and developed a plan of action during an expert forum and a research document has been completed. The next step of this project is the development of an actual prototype structure.

For more information on this study or to obtain research documents please contact Jennifer Duthie at: jduthie@cwc.ca

Étude sur les immeubles de taille moyenne

Nous avons tenu des discussions au sujet de la faisabilité et de la valeur concrète de la construction de bâtiments à ossature de bois de plus de cinq étages. Des experts ont évalué et identifié des détails particuliers de cette étude et élaboré un plan d'action au cours d'un forum d'experts et un document de recherche a été préparé. La prochaine étape de ce projet est la conception du prototype de la structure.

Pour plus d'information sur cette étude ou pour obtenir des documents de recherche veuillez communiquer avec Jennifer Duthie à : jduthie@cwc.ca

- **Solid Wood Wall Study**

Wood *WORKS!* supported a design and construction team in the development of conceptual schematics of a panelized solid wood wall structure for a typical office building. All structural assemblies including exterior walls, floors and roofs compose the massive wood wall system, similar to buildings already built in Europe. Driving factors behind this study is to assess viability, costing and feasibility of these assemblies. Also, with respect to sustainably -- wood acts as a carbon sink. Massive wood assemblies store large quantities of carbon for the lifetime of the building. No other material can make this claim and as such wood has proven time and again to be the superior building material for many factors.

For more information on this study or to obtain research documents please contact Jennifer Duthie at: jduthie@cwc.ca

• ***Étude de mur en bois massif***

L'initiative Branché sur le BOIS! a appuyé une équipe de conception et de construction dans le développement d'un schéma conceptuel d'une structure en panneaux de mur en bois massif pour un immeuble à bureaux typique.

Tous les assemblages structuraux, y compris les murs extérieurs, les planchers et les toits constituent le système constructif de mur en bois massif, semblable aux bâtiments déjà construits en Europe. Cette étude vise à évaluer les facteurs comme la viabilité, l'établissement du coût de revient et la faisabilité de ces structures. En ce qui a trait à la viabilité -- le bois agit comme un puits de carbone. Les assemblages de bois massif emmagasinent de grandes quantités de carbone pendant toute la durée de vie du bâtiment. Aucun autre matériau ne peut avoir cette prétention et à ce titre le bois demeure depuis toujours un matériau de construction supérieur à l'égard d'un grand nombre de facteurs.

Wood *WORKS!* is a
Canadian Wood Council
initiative

*Branché sur le bois est une
initiative du Conseil canadien
du bois*

Feature Stories

[New Report: Expanding
Market Demand for Canadian
Wood Products](#)

[Wood *WORKS!* BC gets boost
from Premier for code changes
to allow 7-Story Mid-rise
Wood Buildings in BC.](#)

Upcoming Events

[Click Here!!!](#)

**Potential Wood Projects
Pursued by Wood
*WORKS!***

Pour plus d'information sur cette étude ou pour obtenir des documents de recherche veuillez communiquer avec Jennifer Duthie à : jduthie@cw.ca

- **Wood WORKS! Supported Research Reports on the Sustainability File**
 1. Detailed Analysis on the possible effects / impacts the USGBC LEED Building Rating System could have on the building sector
 2. Review / assessment of the GBI Green Globes Building Rating System from a marketing perspectiveBoth reports made possible with the support of Natural Resources Canada.
Branché sur le BOIS! Dossier des rapports de recherche sur la viabilité
 1. Analyse détaillée des effets / impacts possibles que le système USGBC LEED pourrait avoir sur le secteur du bâtiment.
 2. Examen / évaluation du système d'évaluation des bâtiments écologiques d'un point de vue du marketing.*Les deux rapports sont rendus possibles avec l'appui des Ressources naturelles Canada*

British Columbia

- **Jean-Luc Carriere is the new Chairman of the Wood WORKS! BC provincial steering committee**

Jean-Luc has taken over from Paul Perkins, who served as Chair of the steering committee for the past four years. Mary Tracey, Director for BC Wood WORKS!, said that Paul's hard work and enthusiasm over the years was appreciated and his insight and input will be missed. "Paul's help with the Wood Design Awards Event was certainly appreciated," she said. "Paul did a lot to help raise the profile of the awards event and was invaluable when it came to finding sponsors and support for the Awards. Without his support, this event wouldn't be as successful as it is today. He is a strong supporter of the Wood WORKS! program; in particular an advocate for expanding educational activities in British Columbia-particularly at the university level."

Paul, who was with Weyerhaeuser for many years, then with Broadleaf Logistics, has set up his own consulting business, Sundowner Consulting. Incoming Chair, Jean-Luc Carriere, is Vice President, SPF Division with Tembec, and is no stranger to Wood WORKS!. Prior to moving to BC, Jean-Luc was an active participant on the Ontario Wood WORKS! provincial steering committee.

"We are pleased to have Jean-Luc on board," Mary noted. "He is a strong supporter of the program and a visionary with many good ideas." The provincial steering committee recently had their spring meeting in Vancouver. A brief recap of the 2008/09 fiscal year was followed by an interactive planning session for the 2009/10 fiscal year.
- **WOOD WORKS! BC PARTICIPATES AT MUNICIPAL AGMs**

One of the key objectives of the Wood WORKS! program is to maintain positive relations with municipal government bodies and to work with municipalities to ensure that local governments understand the attributes of wood in construction.

To that end, Wood WORKS! staff regularly participate in municipal association annual general meetings in order to provide assistance to issues pertaining to wood and green buildings. This April, Wood WORKS! and COFI joined together to provide a speaker for a plenary session at the North Central Municipal Association AGM in Dawson Creek. The two groups brought in

For more information on the projects , please contact the provincial directors by clicking on the project's link.

British Columbia:

[Vancouver Convention Center Expansion Project](#)

[Surrey Olympic Training Center](#)

2010 Olympic Venues:

[Olympic Speed Skating Oval, Richmond](#)

Alberta:

[YMCA, Downtown Edmonton, AB](#)

Ontario:

[Kitchener Library](#)

[Aylmer Fire Hall](#)

Quebec:

[Tim Horton's](#)

Wood Links

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Sandy McKellar, from the BC Forestry Climate Change Working Group , who presented a compelling message entitled ‘Tackle Climate Change – Use Wood’.

Mary Tracey, BC Wood *WORKS!* Director, attended the northern convention and had the opportunity to meet with many mayors and councillors to offer Wood *WORKS!* assistance to municipalities who want to develop wood-friendly policies. The Lower Government Municipal Association AGM was held at the same time, and Peter Moonen, Government Relations/Sustainability coordinator for Wood *WORKS!* BC met with delegates at this convention in order to present the same message. “These conventions are key events which enable us to assist municipalities with upcoming capital projects and to monitor municipal policies which may enhance or limit wood use,” Peter said.

- **WOOD MID-RISE PROJECTS FORGE AHEAD**

Many designers and builders in British Columbia have welcomed the code changes allowing for wood in mid-rise construction and are rapidly moving ahead on wood mid rise projects.

The BC Building Code was officially changed on April 6, 2009. Sukh Johal, technical advisor for Wood *WORKS!* BC, has been working closely with a number of developers who intend to take advantage of the code change.

“At the current time, Wood *WORKS!* BC knows of approximately 20 BC wood mid-rise buildings that are being contemplated and / or being designed,” Sukh said. “I have been working closely with one individual who intends to submit for a building permit as early as May 20, 2009.”

Sukh noted that it is very important to ensure that all of the professionals working on these projects are aware of the recently released APEG guidelines and that the projects are closely monitored in order to be designed to complement wood.

More information, including the new BC Building Code provisions, is available online at www.housing.gov.bc.ca/building/wood_frame/.

- **ARCHITECTS AND BUILDING CODE OFFICIALS EDUCATED**

British Columbia architects attending the annual Architects Association of BC (AIBC) annual general meeting received a comprehensive training session on wood use in mid rise construction in April.

Wood *WORKS!* BC brought in engineer Stephen Yu, engineer, Yu & Trochalakis PLLC, Bellevue WA to enlighten architects on the many projects he has been involved in. Yu spoke on the Marselle Condominiums, Seattle, the 85’ tall, 8 storey above ground wood building which is currently under construction.

Following Stephen’s presentation, the Wood *WORKS!* BC documentary on wood in mid-rise construction was shown to the designers. The documentary, titled “Mid-rise Wood Construction: A Detailed Look at a Changing Landscape”, involves a walk-through of two, six storey wood frame construction buildings in the Seattle and Bellevue areas of Washington State. The documentary clearly illustrates wood solutions and wood details that are currently concerning BC design professionals as they begin to design their own mid-rise buildings in BC.”

Catherin Bolter, Professional Development Coordinator for AIBC appreciated Wood *WORKS!* involvement.

“The presentation was very well received! We haven’t yet had a chance to review the feedback, but we will certainly let you know the results once we’ve reviewed everything. Thanks again for making this very successful session possible. Your support is much appreciated,” she said in an email to Wood *WORKS!*

During the same week, the Building Officials Association of BC held their

annual general meeting in Nelson. Rob Jonkman, Manager Structural Engineering and Sustainable Design for the Canadian Wood Council, gave a presentation on behalf of Wood *WORKS!* BC. Rob presented the Woodworks software to the building officials, focusing his presentation on issues pertaining to wood use in 5 and 6 storey structures. During the conference luncheon, Wood *WORKS!* presented the “Mid-rise Wood Construction: A Detailed Look at a Changing Landscape” documentary.

Alberta

- **Edmonton BuildEx**
Alberta Wood *WORKS!* attended Edmonton BuildEx, at the Shaw Convention Centre, March 17 & 18, 2009. The show was well received by the community with 1500 people in attendance.
- **Wood *WORKS!* Alberta 3rd Awards Gala Postponed**
Alternate presentation of the awards to be announced on the website. Nominations remain open until further notice.
- **Wood Solutions Fair a Success**
Wood Solutions Fair held at the Mayfield Inn, Edmonton, April 8, 2009
- **Technical Advisors** attended training meetings in Vancouver. Visits to the Richmond Oval and Structurlum in BC, and then attended the Vancouver Wood Solutions Fair. Both TA's have been busy visiting Architects and Engineering firms and have been presenting Lunch and Learns.
- **Inspirational Design Luncheon Dates Announced**
Dates to be May 14th (Saskatoon) & 15th (Edmonton) The luncheon speaker is Lubor Trubka, Master of Science in Architecture and Urban Design and Master of Science in Structural Engineering, Czech Technical University of Prague. Mr. Trubka's original and innovative designs of projects utilizing wood and engineered wood products have earned him many international awards and the reputation of a renowned specialist. He has been actively pioneering a broader use of sustainable wood construction technologies in Canada and abroad.
- Contact for any of the events can be directed to Juanita Bobbitt at:
jbobbitt@wood-works.ca
or by calling 780-489-5900

Ontario

- **9th Annual Wood *WORKS!* Awards Program Call for Nominations** Nominations are now being received for the 2009 Wood *WORKS!* Awards. Visit www.woodworksawards.com to download nomination forms.
- **New Case Study**
Look for our newest case study, The Rock Community Church, both in print and PDF formats. Download a copy from www.wood-works.org (click on the link for Case Studies under the Ontario Wood *WORKS!* tab) or email Tim Buhler tbuhler@wood-works.ca to request a print copy.
- **Presentation to Ministry of Energy & Infrastructure, Toronto (April 2)**
Wood *WORKS!* presentation to the Ministry of Energy and Infrastructure concerning wood use in future development.
- **Wood *WORKS!* Ontario Provincial Steering Committee Meeting, Toronto (April 15)**
- **Ontario Mid-Rise Committee Meeting, Toronto (April 16)**
First meeting of the committee. Members convened to discuss the Ontario potential for Mid-Rise development and to examine strategies for pursuing

this type of construction in Ontario.

- **Presentation to the Ontario Building Officials Association, Almonte (April 22)**
Conducted 2 hour training session for the Golden Triangle Chapter of the OBOA. Topics included Sustainability, EWP and Trusses. 27 building officials attended.
- **Presentation to Natural Resources Canada, Ottawa (April 23)**
Conducted 1 hour presentation for NRCan to the Department of National Defense, the Canadian Border Service Agency, the Department of Foreign Affairs and International Trade, and Public Works Government Services Canada regarding use of wood in government buildings.
- **Presentation to the Ministry of Municipal Affairs & Housing, Toronto (April 24)**
Wood *WORKS!* presentation to the Ministry of Municipal Affairs and Housing concerning the sustainable attributes of wood and the use of wood in mid-rise construction.
- **Upcoming**
Federation of Northern Ontario Municipalities Conference and AGM, Sudbury (May 6-8)
Ontario Association of Architects AGM, Toronto (May 6-8)
Wood *WORKS!* is hosting two core continuing education sessions on May 7 at the OAA's annual general meeting taking place at the Westin Harbour Castle. The first session, beginning at 8:30am, will discuss wood in mid-rise construction. The afternoon session starting at 2:00pm will discuss leading edge fire suppression technology as a way to expand the use of wood in buildings traditionally required to be of non-combustible construction.
Ottawa Wood Design Luncheon Conference, Ottawa (May 20)
Designed for architects, engineers, building officials and other design/build professionals, this half-day seminar will present three educational topics related to the use of wood in non-residential construction. Presenters include: Frank Laytner, Industry Advisor, Value-Added Wood Products, FPInnovations – Forintek speaking on Wood as a Durable Construction Material; Brian R. Bertrand, B.E.D.S., B. Arch., O.A.A., MRAIC, Principal Architect, Evans Bertrand Hill Wheeler Architecture Inc. speaking on Patient Focused Care and Wood in the Healing Environment; and David Moses, PhD, PEng, PE, LEED®AP, Toronto Office Manager, Equilibrium Consulting Inc. speaking on AGO Transformation – Advanced use of CNC Technology – Sophisticated Connection Design. To register for this free event contact Tim Buhler at: (tbuhler@wood-works.ca)

Québec

- **Cecobois.com Online**
The Cecobois, (Centre d'expertise sur la construction commerciale en bois) website has just been launched online. Internet users can now access sections dealing with wood advantages, wood applications and properties, wood and the building code and wood and the environment. They will also find an inventory of projects, manuals and publications, lists of manufacturers and suppliers, a lexicon, design tools, examples of plans and specifications, as well as news and events to come. Your comments will be appreciated. Have a good visit at www.cecobois.com
Cecobois.com en ligne
Le site Internet de cecobois, le Centre d'expertise sur la construction commerciale en bois, est maintenant en ligne. Les internautes peuvent y

consulter des sections portant sur les avantages du bois, le bois et ses applications, le bois et ses propriétés, le bois et le Code du bâtiment et le bois et l'environnement. On y trouve également un répertoire de projets, des manuels et des publications, des listes de fabricants et de fournisseurs, un lexique, des outils de calcul, des plans et devis types ainsi que des nouvelles et les événements à venir. Vos commentaires sont appréciés. Bonne visite sur www.cecobois.com

- **Technical Guides in Production**

The Cecobois team has created two technical guides that will soon be available online at www.cecobois.com They deal with I-beams and open web beams. Two other guides in production will deal with roof trusses and engineered wood posts and beams. These guides will help engineers and architects designing buildings with wood.

Guides techniques en production

The L'équipe de cecobois a rédigé deux guides techniques qui pourront bientôt être consultés sur www.cecobois.com Les sujets traités sont les poutrelles en I et les poutrelles ajourées. Deux autres guides sont en rédaction qui porteront sur les fermes de toit et les poutres et colonnes en bois d'ingénierie. L'objectif des guides est d'aider les ingénieurs et les architectes dans la conception de bâtiments utilisant le bois.

- **Courses for Engineers**

Cecobois will organize two courses on the design of wood frames during winter 2009. These courses will deal with light wood framing (one day) and posts and beams framing (one day) of multiple stories buildings. These courses are based on real designs made in Quebec and in Ontario in accordance with the National Building Code 2005 and the CSA 086 Design Standard.

Formations pour ingénieurs

Cecobois offrira deux formations sur la conception des charpentes en bois à l'hiver 2009. Les formations traiteront de la conception en ossature légère (une journée) et de la conception en poutres et poteaux (une journée) de bâtiments multi-étagés. Les formations seront basées sur des conceptions réelles faites au Québec et en Ontario conformément au Code national du bâtiment 2005 et la norme de calcul CSA 086.

Wood WORKS! would like to thank its project partners.
Branché sur le bois remercie ses partenaires.

The Wood WORKS! project is a national, industry-led initiative, spearheaded by the Canadian Wood Council, to promote the use of wood in commercial, industrial and institutional construction.

The Wood WORKS! E-Bulletin is our method to communicate to you the many activities, accomplishments and successes of the initiative throughout the past month, as well as upcoming projects and events we are currently working on.

Le projet Branché sur le bois est une initiative nationale, lancée par l'industrie et menée par le Conseil canadien du bois, afin de promouvoir l'utilisation du bois dans la construction commerciale,

industrielle et institutionnelle. Le Bulletin Branché sur le bois s'avère notre méthode de communication pour vous informer des activités, résultats et succès du projet au cours du mois, en plus de vous mettre au courant des événements à venir.

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