

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

- **2010 Olympics Update**

Construction of the Olympic Oval is almost complete with a project completion date of Fall 2008. The wood structure being used for the oval making has been completed. This innovative wood roof structure is one of the largest ones of its kind in the world. The construction stages of this structure have been filmed with the intent to create a documentary for air on public television stations. Wood *WORKS!* is in the process of looking for partners in promotion / television networks sector as well as continuing to monitor the project until completion. As well, Wood *WORKS!* plans complete an in-depth case study of this structure in the fall.

Wood *WORKS!* has also worked closely with the architects and engineers involved with the other 2010 facilities being a Curling Rink and Nordic Center and have been providing technical advice to the construction team which has ensured that wood solutions are used on all 2010 structures.

Les Dernières nouvelles des Olympiques 2010 olympiques 2010

La construction de l'anneau olympique (Olympic Oval) dont la date d'achèvement est prévue pour l'automne 2008 tire à sa fin. La structure en bois utilisée pour la fabrication de l'anneau a été terminée. Cette structure de toit en bois innovatrice est l'une des plus grandes du genre au monde. Les étapes de construction de cette structure ont été filmées dans le but de créer un documentaire qui sera diffusé par les chaînes de télévision publiques. L'initiative Branché sur le BOIS! est à la recherche de partenaires dans le secteur de la promotion / réseaux de télévision tout en continuant à surveiller le projet jusqu'à son achèvement. Aussi, Branché sur le BOIS! entend terminer une étude de cas en profondeur de cette structure à l'automne.

Branché sur le BOIS! a aussi travaillé en étroite collaboration avec les architectes et les ingénieurs qui s'occupent de la construction des autres installations pour 2010 soit la piste de curling et le centre nordique et ont fourni des avis techniques à l'équipe de construction qui a veillé à ce que les solutions en bois soient retenues pour toutes les structures olympiques.

- **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

**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!***

recherche veuillez communiquer avec Jennifer Duthie à : jduthie@cw.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 sustainability -- 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@cw.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.

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 perspective

Both 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

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](#)

British Columbia

- **Province to Raise the Roof on Wood-frame Construction**

The British Columbia government announced they will be increasing the limit on wood-frame construction in the BC Building Code from four to six stories in January 2009.

Housing and Social Development Minister, Rich Coleman, made the announcement at the annual Union of BC Municipalities Convention on September 25. When making the announcement Coleman noted that increasing the number of stories will "provide an option for communities

Wood Links

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that want to take advantage of the environmental benefits of density while preserving the character of their communities.”

The provincial government has been working closely with Wood *WORKS!* BC and will be announcing details of an innovative demonstration project in the near future. Mary Tracey, Executive Director of BC Wood *WORKS!*, said the demonstration project will be a six story platform frame building that will showcase how wood can be used in buildings over four stories.

“We are delivering on our commitment to innovative, safe construction practices,” Coleman said in a press release dated September 25. “The demonstration project is one way the Province will work with those involved in building – local government and designers – to make sure they have the tools they need to successfully apply the new Building Code provisions.”

- **Provincial Steering Committee Meeting**

- Oct 30th**

- The Fall Provincial Steering Committee meeting was held Oct 30, 8:30am - 1 pm at the Delta Vancouver Airport Hotel.

- **Wood *WORKS!* BC Academic Seminar Series**

- This month Wood *WORKS!* BC will be entering the classrooms/lecture halls of key BC Technical Colleges to speak on and about the positive attributes of using wood in today’s construction industry. “We hope to improve on the recent successes we have had with our seminar programs that were initially targeted to the Architectural Design Community. “By creating new presentations and expanding others to target the specific needs of BC’s Technical Colleges” says Sukh Johal, Technical Advisor for the Canadian Wood Council/Wood *WORKS!* BC “we are giving the students of these well-respected Technical Colleges, a practical, up-to-date educational seminar on what is possible today when you construct with wood. The focus is on the inherent positive, sustainable and cost-effective attributes of the use of wood in non-res construction and by showcasing the many inspirational projects that Wood *WORKS!* has worked on recently, we hope to inspire this next generation of designers, project managers, and construction industry personnel into becoming the next generation of Wood Champions!”

- Initial interest is very encouraging for Oct 14th we will present to the entire graduating class of BCIT’s Civil and Structural Technology program which consists of 63 students. Likewise on Oct 24th we will present the same seminar to Okanagan’s 2nd and 4th term students with 74 students. Also on the wait list pending schedule confirmation will be BCIT’s Architectural Degree program students as well as Kwantlen College’s carpentry students. For more information about this please contact Sukh Johal directly at 1-877-929-9336 extension 3.

- **Council of Forest Industries Tour**

- Peter Moonen, Leader, Sustainable Building Coalition and Special Projects Wood *WORKS!* BC participated in the annual tour of northern communities hosted by the Council of Forest Industries of BC with presentations on Oct 1-3.

- **October In-house Workshops**

- On October 7 an in-house workshop will be held at the architectural firm of Hotson Bakker Boniface Haden Architects. Les Josza will be speaking on the Properties of Wood. On October 9 another workshop will be held at Abbarch Architecture Inc. This time the presentation is on Architectural Wood Frames. October 29 Sukh will be Nanaimo and Victoria with

workshops.

- **Association of Professional Engineers and Geoscientists of BC**
Technical Advisors Bill Billups and Sukh Johal for Wood *WORKS!* BC will be attending the annual convention of APEG being held in Kelowna Oct 16 and 17. Bill and Sukh will have a booth at this event.
- **Canadian Wood Preservatives Association Conference**
Peer Moonen and Bill Billups will both be giving presentations at this conference October 28 and 29.
- **Fall Luncheon Conferences**
Kelowna, Friday, November 28
Victoria, Tuesday, December 2.
The theme for this year's event is "Raising the Roof" and includes three presentations which will address three quite different yet timely aspects. Speakers include:
Shelley Craig, architect, Urban Arts Architecture - a review of the architectural, code and structural challenges that need to be addressed to permit the use of wood in 5-8 storey buildings.
Gerry Epp, engineer, Fast & Epp – the design and construction of the roof on the Richmond Speed Skating Oval.
Barry Schick, General Manager, Acutruss Industries – evolution of the wood truss to the versatile, structurally efficient building material of today.
Exhibitors interested in participating at these events please contact event coordinator Lorna alone at lmalone@wood-works.ca
"The growing
- **September Tour of Kootenays and North Okanagan Review**
Wood *WORKS!*BC hosted five lunch and learn seminars across the Kootenays and the North Okanagan with stops in Cranbrook, Golden, Revelstoke, Vernon and Kamloops. It was clear that Kamloops with the largest turnout is ready for their own WW Design Luncheon next year. WW will be seeking the needed funding for this and continue doing small community based lunch and learns attracting a cross section of attendees from the design community, construction and wood industry, as well as municipal and district decision makers. This series was titled Sustainability and featured a presentation by Peter Moonen on Sustainable Design and the environmental attributes of engineered wood products. If your community would like to have Wood *WORKS!*BC host a community lunch and learn in your community contact Bill Billups, Technical Advisor at wbillups@wood-works.ca or call him on our toll free line 1-877-929-9663 extension 2.
wbillups@wood-works.ca
- **Building Projects**
Technical consultants Billups and Sukh Johal continue to work on numerous projects across the province helping the design teams with the issues related to the use of wood in their designs. This assistance is mostly technical in nature when the design team is already established working on such things as specification reviews and sourcing the latest test results for various wood applications and their protective coatings. More recently Wood *WORKS!* consultants have been included as a member of the design teams as material consultants lending their expertise first when the issues arise. This is something new for Wood *WORKS!* and is a welcome approach for the program.

Alberta

- **Interactive Map Program**

In a joint effort between the RAIC, SRD Alberta and Wood *WORKS!* and to better aid in the specification of Alberta and moreover Canadian Forest Products, a proposal has been defined to try and assist design and trade professionals by way of an interactive map. This will give specifiers more tangible and potentially more frequently updated information for various wood producing manufacturers. Moreover, the advent of using an online format will allow a synergy between the existing www.albertaforestsource.ca website, and as well a greater portability of information that has traditionally been achieved using yearly forest industry directories. The proposed directory, which is currently undergoing the initial planning stages of development and cost assessment, is intended to include the following information:

- Location of the manufacturing facility
- Where possible, location of the material source
- Products produced (as specific as possible)
- Certification and standards employed for the product being produced
- Certification and standards employed for materials used in production
- Certification and standards employed for the production process
- Methods of shipment used pre and post production
- Affiliations (ie: Jager – SGF Rexfor)
- Contact information for different personnel and their expertise

Initially the idea was brought about from discussions that arose following some of the lunch and learn seminars I had been giving, the concern for location and sourcing of wood products, and more information about the certification and process of their manufacture can be readily attributed to a stronger presence of LEED and other building certification programs, as well as an adoption of the principles of LCA in this market. I expect these concerns will become more and more dominant across Canada as a more educated, more environmentally cautious, and conservative design community will start to demand more information for the materials that they specify.

- **7th Annual Street Furniture Competition**

Wood *WORKS!* and MADE (Media Arts and Design Edmonton) have joined forces for the very successful and exceptionally well received 7th Annual Street Furniture Competition. As in previous years pieces of scrap wood and trim ends from various wood product manufacturing companies were collected and donated to the event. Industrial Designers, Architects, Engineers and other professionals from the design community gathered and formed teams to create furniture from the scraps. Tools, fasteners, and carpentry assistance were donated by Habitat for Humanity and Terry Sheenan from On the Road Carpentry. Some fantastic pieces were created, and public turnout was excellent with many spectators coming by to ask questions about the various materials being used and where they could source them and how they might use them in future design applications. All in all, a fantastic event and a great way to celebrate the value of wood products.

- **PAQS AGM in Edmonton**

The 12th annual Pacific Association of Quantity Surveyors Congress was held in Edmonton from the 16th to the 18th of June. Wood *WORKS!* was involved in giving a lecture on the Value of Wood Products to a very attentive audience, and had some fantastic success with booth visitors from all over the world. A tour of the Western Archrib manufacturing facility, and of the recently completed Lois Hole Library was well attended and also

exceptionally well received. Many of the so-dubbed 'Construction Economists' were excited at the potential for wood products, the extent of their application, and for their economical value when compared to alternative structural and architectural materials. Bing Thom was also present as a guest speaker, and was a fantastic back up to the Wood *WORKS!* message with his presentation on the value and importance of sustainable design, which included a very generous mention of wood products and his passion for the use of more organic material and the continued development of life cycle analysis in sustainable design. A terrific speaker and a fantastic message. All in all, a very successful event which was both well attended and well orchestrated – certainly a value to consider for future attendance.

- **Alberta Wood *WORKS!* Awards**

Alberta Wood *WORKS!* has teamed up with the Alberta chapter of the RAIC to repackage and gain more recognition for their awards program. The RAIC was very involved with the now tremendously successful Steel Institute Awards program, and should be able to assist in gaining the much needed credibility for the same in wood design. Efforts to increase marketing potential and 'brand recognition' will be a major focus of the union, and should do well to engage more members of the design community with the type of inspiration we are hoping to instill in them. Look for a restructured program by fall.

Ontario

- **Seneca College Presentation
Toronto, September 8th**

Presented to 30 Architectural Technology students on CWC, Wood *WORKS!*, Forest Industry and Student Competition.

- **Ryerson University Presentation
Toronto, September 16th**

Structural Wood Products and Uses lecture, David Moses Designing with Wood. 150 students attended.

- **Ontario College of Art and Design Presentation
Toronto, September 18th**

Presented to 15 Industrial Design students on CWC, Wood *WORKS!*, Forest Industry and Student Competition.

- **Wood Solutions Fair
San Francisco, September 30th**

Canadian Wood *WORKS!* Wood Design Awards for 2007 and the North American Wood Design Awards were highlighted in a presentation given by Marianne Berube.

- **Ontario Wood *WORKS!* 3-Year Growth Plan**

Ontario Wood *WORKS!* is working on their next 3 year Growth plan. Consultation between industry, government, designers and users and other partners will build this plan over the next 2 months.

- **Project Update: Microtel Inn and Suites
Woodstock**

Progress is rapid on this 74 room, panelized hotel. Second floor walls and joists for third floor deck are finished and they'll soon be on third floor walls. This is the first time Quiet-Zone studs have been used in prefabricated walls (manufactured off site). Developed by Ontarinn's with Sierra Construction, this Inn duplicates the successful construction model

established by the Parry Sound Microtel (and this time has a pool and fitness complex).

- **Upcoming**

Growing Forest Value Conference – Thunder Bay, October 14th – 16th
A Wood *WORKS!* presentation on “Realities of Market Development” will be part of the conference program.

Ontario Building Officials Association – Kingston, October 5th
Annual meeting and trade show, WW! joint presentation with the OWTFA
8th Annual Wood *WORKS!* Awards Gala – Toronto Congress Centre, November 12th

Don't miss your chance to participate. For sponsorship opportunities contact Marianne Berube, Ontario Director at 1-866-886-3574 ext 224. For tickets or to reserve your corporate table contact Tim Buhler at tbuhler@wood-works.ca

Toronto Wood Solutions Fair – Toronto Congress Centre, November 13th

The Toronto Wood Solutions Fair is the best place to meet Ontario's design and construction professionals: Architects, Structural Engineers, Designers, Builders and more! This one day educational fair is the only event of its kind in Canada. Dedicated exclusively to the promotion of wood and related products, the WSF has been a successful and well attended event in the industry for over a decade. To become a sponsor or to exhibit at the Toronto fair this fall, contact Sarah Hicks at shicks@wood-works.ca for event information and an exhibitor registration form. te at

www.woodworksawards.com to download nomination forms. To purchase tickets for the Awards Gala on November 12 contact Tim Buhler: tbuhler@wood-works.ca

Construct Canada – Metro Toronto Convention Centre, South Building, December 3rd – 5th

Québec

- **New Technical Consultant**

The expert centre on commercial buildings (cecobois) recently hired Ms. Jennifer Tardif, architect, as technical consultant.

Nouveau conseiller technique

Le Centre d'expertise sur la construction commerciale en bois (cecobois) a engagé récemment Mme Jennifer Tardif, architecte, qui agira à titre de conseillère technique.

- **Events**

This Spring, Cecobois participated in the Canadian Federation of Municipalities (CFM) Annual Meeting as well as to the Canadian Society of Civil Engineers as an exhibitor. During the CFM meeting, Louis Poliquin, Director of Cecobois, gave an award of recognition to Bernard Généreux, president of the Fédération québécoise des municipalités, the first organization to adopt a resolution that promotes the use of wood as a primary structural material for public, commercial, and residential buildings.

Événements

Le cecobois a participé ce printemps au congrès annuel de la Fédération canadienne des municipalités (FCM) et au congrès de la Société canadienne de génie civil à titre d'exposant. Lors du congrès de la FCM, le directeur de cecobois, Louis Poliquin, a remis un prix de reconnaissance à Bernard Généreux, président de la Fédération québécoise des municipalités, premier

organisme ayant adopté une résolution pour promouvoir l'utilisation du matériau bois comme composant principal dans la construction d'édifices publics, commerciaux et résidentiels.

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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