

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

- **Efforts to Allow Wood Use in Mid-Rise Construction Progressing Rapidly**

Efforts to change the building code in order to allow wood use in mid-rise (5 – 8 story) construction is progressing rapidly.

Wood WORKS! BC is working closely with several provincial government bodies to implement the necessary changes to the BC building code, in order to allow wood frame construction in buildings greater than four stories. As well, preliminary plans to build a demonstration project of 6 stories is

Wood Links

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moving forward.

For the past year and a half Wood *WORKS!* has been researching building codes and practices from jurisdictions around the world and has brought experts in mid-rise construction to Canada to meet with leading Canadian designers. Wood *WORKS!* forums and technical seminars have accelerated the process and built awareness as to the huge potential for increased wood use.

“This is the most significant initiative for increased wood use that has taken place in the past 50 years,” Wood *WORKS!* BC Director Mary Tracey noted. “When these changes are implemented in BC, it is very likely other jurisdictions will follow suit and the opportunities for increased wood use across North America will be unparalleled.”

- **Richmond Speed Skating Oval Documentary Nearing Completion**

For the past two years, Wood *WORKS!* has been working with RealWorld Media to document the design and construction of Richmond Olympic Speed Skating Oval’s wood roof.

As the Oval nears completion, so does the filming. The documentary film focuses on the innovative wood wave panel roof system in the Oval, starting with the preliminary design process, and follows the project through to construction. The focus of the film is to educate and inspire both designers and the general public on the benefits of wood. Sustainability and ease of construction are just two of the benefits of wood put forward in the video. When the video is complete, it will be made available to television for broadcasting, and will also be used by Wood *WORKS!* as an educational tool.

- **Sustainability Tour
September 8th-12th**

Technical consultant Bill Billups and Sustainability Coordinator Peter Moonen will be touring the East Kootenays and the North Okanagan next week with stops at Cranbrook- 8th, Golden – 9th, Revelstoke – 10th, Vernon – 11th, and Kamloops – 12th. Bill and Peter will be providing luncheon workshops on Sustainable Design and the Environmental Attributes of Engineered Wood products. Individuals interested in attending please call Bill Billups at 1-877-929-9663 ext 2 or email him at wbillups@wood-works.ca

- **Union of BC Municipalities**

Wood *WORKS!* will be present at this year’s Union of BC Municipalities annual convention. This year the meeting is being held September 22-26 in Penticton. As in past years Wood *WORKS!* will be presenting recognition plaques to a municipality, in each of the five provincial regions, that has a newly constructed municipal building that features wood construction. Over the years this convention has proven to be an excellent venue for meeting with elected officials and promoting the use of wood in community buildings.

- **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.

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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

- **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.

- **2009 Wood Catapult Competition**

As the month of September ushers students back to school, September also signals the beginning of planning sessions for the BC Wood *WORKS!*/Canadian Wood Council western Canadian Wood Catapult Competition.

The second annual competition, held in March 2008, showcased the efforts of ten teams from five different post-secondary institutions as they presented and performed with their specific wooden siege engine (catapult, trebuchet, ballista or crossbow). Due to the nature of the competition (hand-crafted wooden siege engines shooting cement projectiles at pre-set targets) and the incentive of cash prizes, this competition continues to gain popularity among engineering, technical and trades students.

Inquiries have already been received about this year's event and plans are being made to host the competition in the early spring of 2009 likely within the Vancouver area. Further details will be posted on our website as they are confirmed. Please go to www.wood-works.ca to keep up to date.

Opportunities for further sponsorship are available by contacting Bill Billups at wbillups@wood-works.ca.

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.albertaforestsourc.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

- **LAST CALL FOR NOMINATIONS: 8th Annual Ontario Wood WORKS! Awards WORKS! Awards**

This is your last chance to submit nominations now for the 2008 Wood WORKS! Awards: Nominations close September 19. Visit our re-designed awards website 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

- **NEW CASE STUDY AVAILABLE: Microtel Inn & Suites, Parry Sound**

Contact us to receive copies of our newest case study that discusses panelization and the economic and environmental advantages in using wood in a multi-unit hotel.

- **Art Gallery of Ontario Toronto, August 20th**

Tour of \$136M retrofit to the AGO under construction. Designed by world-renown architect, Frank Gehry, the stunning new 500' gallery that runs the length of the property facing Dundas St. is a feat of wood engineering. Nothing in this structure is "off the shelf". No two pieces are the same and they all have different angles and custom designed connections. Built with Canadian wood, the new addition to the AGO is a showcase for our wood products and our engineering talent. Check out the impressive new galleries yourself when the AGO re-opens November 14.

- **Association of Municipalities of Ontario AGM Ottawa, August 24th – 27th**

Wood WORKS! sponsored and presented at a well attended workshop on Sustainable Building Practices that was delivered in conjunction with representatives from the City of Cambridge. At the trade show, Wood WORKS! obtained dozens of project leads and updates from the municipal officials in attendance at AMO's "Leading Beyond Tomorrow" conference.

- **Upcoming**

Growing Forest Value Conference – Thunder Bay, October 14th – 16th

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.

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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