

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](#)

Upcoming Events

[Click Here!!!](#)

Potential Wood Projects Pursued by Wood *WORKS!*

*For more information on the
projects , please contact the*

recherche veuillez communiquer avec Jennifer Duthie à : jduthie@cwcc.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@cwcc.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@cwcc.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

British Columbia

- **BC Wood WORKS! at Annual Federation of Canadian Municipalities**
Wood WORKS! staff from BC, Ontario and Quebec were present at the Annual Federation of Canadian Municipalities Convention in Quebec City in Early June. The display at the convention enabled elected officials and municipal staff to see how wood can play a role in their community enhancing structural, aesthetic and environmental features of public buildings.
- **Canada Green Building Council**

provincial directors by clicking on the project's link.

British Columbia:

[Vancouver Trade and Convention Centre](#)

[Mission Aquatic Center, Kelowna](#)

[South Okanagan Entertainment Center, Penticton](#)

2010 Olympic Venues:

[Olympic Speed Skating Oval, Richmond, BC](#)

[Whistler Sliding Center, Whistler](#)

Alberta:

[YMCA, Downtown Edmonton, AB](#)

[Community Hall, La Crete, AB](#)

[Evergreen Park Conference Pavilion, Grande Prairie, AB](#)

Ontario:

[Kitchener Library](#)

[Aylmer Fire Hall](#)

Quebec:

[Tim Horton's](#)

Wood Links

[Become a Wood Champion -](#)

Wood *WORKS!* and CWC staff attended the first Canada Green Building Council Conference and trade show in Toronto in June. The show was developed to assist designers, specifiers and suppliers have a better understanding of how green building works. The Wood *WORKS!* and CWC booth was a collaborative project with the Forest Products Association of Canada. Materials demonstrated the environmental attributes of wood products as well as demonstrated how they can be effectively incorporated in a wide range of educational, institutional, public and private sector buildings.

[Wood Champions Network!](#)

[Wood \(IN\)Site, the electronic newsletter for builders, architects and engineers.](#)

- **In House Workshop, Lower Mainland**

Wood *WORKS!* BC continues to provide opportunities for architects and engineers to get a better understanding of how wood can enhance the environmental attributes of a green building. Sukh Johal and Peter Moonen presented a sustainability workshop to eighteen staff at Iredale Group Architecture more than twenty staff at HOTSON BAKKER BONIFACE HADEN architects + urbanistes. Discussions about forest certification, engineered wood products and the properties of wood for environmental building were accompanied by a hands-on display of wood products.

- **In House Workshops**

Wood *WORKS!* BC continues to provide opportunities for architects and engineers to gain a better understanding of how wood can enhance the environmental attributes of a green building.

Despite the summer season being prime vacation season, BC Wood *WORKS!* ploughed ahead and achieved impressive attendance numbers for their In-House Workshops. Sukh Johal, Technical Advisor, along with his various Guest Speakers, has recently conducted the following In- House Lunch Seminars:

- **In House Workshop, Vancouver Island**

Technical Advisor Sukh Johal, the newest member to the BC team who has been assigned to the Lower Mainland and Vancouver Island, quickly recognized the vast appetite of Island firms for our In House Box Lunch Seminar program. With the composition of most of the local firms being too small for a cost-effective single visit (2-3 Arch per firm), the BC Wood *WORKS!* team was able to coordinate "Cluster seminars" for the Vancouver Island Chapter of AIBC. Sukh and his guest speakers have been able to accommodate the Architects' requests by hosting a morning seminar in Nanaimo and then driving down the coast, for a noon seminar in Victoria. "We started this travelling to Vancouver Island in March and the response has been terrific. The Nanaimo audience started out at fifteen and the Victoria group had thirty-one" says Sukh. What has also been fruitful has been the composition of the audience and the enthusiastic response from participants. In Victoria for example, not only are we getting Senior Architects, but BC Government Policy personnel and Building inspectors. The same response was echoed in Nanaimo as other influential community individuals are being encouraged to attend these very informative pre-scheduled events. Sukh has pre-scheduled these for every two months, with the next workshops being held July 30, 2008. For more information you may contact him directly at 1-877-929-WOOD (9663) ext 3.

- **Vancouver Island efforts continue to provide positive results**

"The growing seminar attendance numbers speak for themselves", says Sukh, "People not only find our events informative and educational with up-

to-date information but with word-of-mouth our activities and efforts to promote the use of wood in Non-Res construction have also aroused the attention of the local media". At our July 30th Nanaimo Seminar, a local reporter sat in on our presentation and thereafter interviewed Peter Moonen, Sustainability and Special Events Coordinator for Wood *WORKS!* BC resulting in a published article for the weekend edition of the Nanaimo Daily News entitled "Wood Valued in Construction". The favorable article informed the general public of the presentation's key points: Wood is the only sustainable and renewable building material that is used in construction projects. As well as being easily accessible, cheap and renewable, wood also helps reduce global warming by sequestering carbon dioxide. The Canadian Wood Council/ Wood *WORKS!* BC efforts and recent success with the Mid-rise Initiative was also mentioned in the article as the Province of BC is currently considering increasing the number of storeys that can be built with wood in both residential and commercial buildings from four to six.

- **Vancouver Convention Centre Expansion Project**
Wood *WORKS!* consultants Peter Moonen and Bill Billups were called in by the architectural design team of the VCCEP to discuss issues surrounding the clear finish specified for the Glulam ceiling slates for the project. A just in time solution being worked on by Forintek on just that issue was quickly made available to the design team to assist them in assuring the coating thickness being applied would do the job. The non-structural 3X6 laminated Douglas Fir ceiling slats spaced at 18" on center are suspended from the structural frame making up the bulk of the ceiling of this 11 acre building on the waterfront of downtown Vancouver.

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 expertiseInitially 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

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

Celebrate how WOOD *WORKS!* for you in the province of Ontario. Submit

your nominations now for recently completed projects that use wood (12 awards are up for grabs including commercial, institutional, residential and more). Visit our re-designed awards website at www.woodworksawards.com to download nomination forms and obtain additional information about the awards program.

- **RAIC Conference and National Festival of Architecture
Fredericton, NB June 25th - 28th**
Conference registration: 400 delegates. Architects who participated were a balance of ages, and many varied locations from around Canada. Booth traffic at the trade show on the 27th was very steady and questions and conversation were of the highest quality. Wood *WORKS!* sponsored a presentation “Getting to 2030 – an early discussion on Carbon Neutral Buildings” – given by Stephen Pope, OAA, MRAIC. The seminar was full and very interesting in content. The Conference was well attended especially by local architects from New Brunswick and Nova Scotia. Delegates were very interested in the Wood *WORKS!* programme and expressed that the service was needed.
- **Lunch and Learn Presentation, Toronto, ON June 26th**
Wood *WORKS!* Technical Directors delivered a successful Lunch and Learn presentation to 20 associates at Read Jones Christoffersen Engineering. The session was very well received with lots of interaction.
- **Presentation at University of Waterloo
Waterloo, ON July 7th**
Wood *WORKS!* delivered a presentation to 75 Engineering students at the University of Waterloo. Topics covered Wood *WORKS!* and CWC, sustainability, costing, award winning projects and future possibilities.
- **Project Update: North Bay Regional Health Centre
North Bay, ON**
The wood is IN and looking beautiful as construction continues at the North Bay Regional Health Centre (comprised of the co-located North Bay General Hospital and North East Mental Health Centre). The Ontario team toured the site on July 15th and saw first-hand how striking the wood elements of the new hospital are. The project represents approximately 703,000 square feet of building space and reflects sensitivity to scale, use of materials and connection to the environment. A main street for each of the two facilities, that showcases custom stained, exposed structural wood elements for its entire length, gently curves in opposite directions and meets to form the main way-finding route through the building complex.
- **Upcoming ...**
Association of Municipalities of Ontario AGM, Ottawa, August 27th – 29th
8th Annual Wood *WORKS!* Awards Gala – Toronto Congress Centre, November, 12th
This is THE high profile event of the year for the forest products industry. 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 shicks@cw.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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