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Do your part for the environment – reuse and recycle.
it is with regret that I have to inform members of the death of one of our founding members Mr. Bill White. He died at the age of 98 years old and to quote Jeff Logan, vice president OIQS, “He was one of the nicest gentlemen I have ever met. As soon as he found out I was a fellow Quantity Surveyor, he had many stories to share and was still a keen follower of what was happening with the OIQS.” Bill shall be surely missed.

This past weekend the council meeting was held to coincide with Canada’s largest construction show, Construct Canada, at the Royal York Hotel in Toronto.

I must say that the CIQS was well attended and people appear to be getting to know where they can find us. I am sure we will get new members from this year’s exposure.

Our agenda for the two days of meetings was full starting on Friday afternoon with committee meetings for staffing head office and web site review. Progress is being made in both areas and committees continue to work to put recommendations to council no later than the spring session.

On Saturday, we were treated to three presentations.

Sheri Thompson outlined her plans to create a young surveyors group in Canada to reflect and work with the PAQS member countries in their initiative for an international young surveyors group.

James Vermeulen presented his latest draft of the 6th edition of the CIQS booklet Schedule of Services and Recommended Charges. Council are now to review the document and hopefully we will have it in print before the next AGM in Whistler.

The third presentation was by Vaughn Smith PQS who is working on a proposal to provide online courses to members for subjects that are not presently covered by distance education in the colleges. Vaughn has already prepared the course for 308 Cost Planning and is almost complete with 309 Development Economics. Vaughn has run online courses for over 5,000 building students and worked with Athabasca, Algonquin and Sheridan colleges. I am very excited at the prospect on these and future courses coming on stream in house.

We are considering extending the scope of courses to cover our new Heavy Civils category as well as supplementary subjects to support mechanical and electrical disciplines.

I am proud to report that at this meeting Council agreed to pursue the upgrade of the education level of PQS to as close as possible to bachelor degree level. This initiative will be spearheaded by our tireless education administrator Mr. David Lai PQS(F). It is anticipated that it might take as much as five years to make the full transition.

Once again QSBC has risen to the challenge and set up a student chapter at BCIT (British Columbia Institute of Technology). Chris Reinert and Bruno Pilieci are visiting BC this month.

Reps from AQSA continue to support Red River College and Norm Lux and Chris Reinert will be joined by David Lai in February for a presentation to the college related to their courses. Roger Ward was due to attend but I have to inform the many friends of Roger Ward that he has had an accident which broke his hip. We wish Roger a speedy recovery.

At OIQS, Sheri Thompson and I visited with Conestoga College. We also attended an open house at Ryerson University with others from OIQS. President Bruno Pilieci visited Georgian College.

As you can see, we are active in the colleges across the country.

Finally, in my last President’s message, I put out a call for assistance from mature members and fellows to assist in the various functions that council and affiliate board member just do not have time for.

I was amazed and gratified to receive 35 offers of assistance from across the country. If you volunteered and have not yet been put to work, please be patient. We will get to you. Roy Lewis is mustering the civils guys, Mark Russell is handling publications and Sorina Du Toit is running the mentorship program. The CPD program is still under development but it has been agreed that the mandatory minimum 50 points will come into effect in the coming year.

So some progress across the board I trust you will agree.

We heard QSBC’s plans from Mark Russell for the 2010 CIQS AGM in Whistler next summer. With their usual style, this promises to be a splendid affair. I encourage as many as possible to swell the numbers and continue the momentum of the 50th.

“I was amazed and gratified to receive 35 offers of assistance from across the country.”
Nouvelles et notes de autour du CIQS

J'ai le regret d'informer nos membres du décès de M. Bill White, l'un de nos membres fondateurs. Il s’est éteint à l’âge de 96 ans pour citer Jeff Logan, vice-président de l'OIQS, «il était l’une des plus agréables personnes que j’ai jamais rencontrées». Aussitôt qu’il apprit que j’étais un Fellow Quantity Surveyor, il partagea plusieurs histoires avec moi et suivit avec attention ce qui se passait à l’OIQS. Bill nous manquera assurément.

La dernière assemblée du Conseil avait été planifiée pour coïncider avec le plus grand événement de la construction au Canada, «Construct Canada», au Royal York Hôtel à Toronto.

Je dois dire que le CIQS y était bien représenté et que les gens semblent commencer à savoir où nous trouver. Je suis certain que de nouveaux membres se joindront à nous à la suite de cet événement.

L’agenda de nos deux jours de rencontres était complet, débutant le vendredi après-midi avec les réunions des comités et les comités continuent leur travail pour apporter leurs recommandations au Conseil au plus tard à la session du printemps.

Nous avons été choyés de trois présentations qui nous ont été faites le samedi.

Sheri Thompson expliqua son projet d’un groupe de jeunes économistes en construction au Canada pour réfléchir et travailler avec les pays membres de la PAQS à leur initiative de mise sur pied d’un groupe international de jeunes économistes en construction.

James Vermeulen présenta sa dernière ébauche de la 6e édition de la brochure du CIQS «Schedule of Services and Recommended Charges».

Le Conseil procédera à l’examen du document et espère l’avoir imprimé avant la prochaine assemblée générale à Whistler.

La troisième présentation fut par Vaughn Smith PQS qui travaille à une proposition pour offrir des cours en ligne aux membres sur des sujets qui ne sont pas présentalement offerts dans les cours à distance actuels des Collèges. Vaughn a déjà préparé le cours «308 – Cost Planning» et est à compléter le «309 – Development Economics». Vaughn a dirigé des cours en ligne pour plus de 5000 étudiants en technique de construction et a travaillé avec les collèges Athabasca, Algoma et Sheridan. Je suis très enthousiaste à l’idée de mettre en ligne ces cours et d’autres futurs cours sur notre propre site Internet.

Nous considérons augmenter la portée des cours pour couvrir les domaines du génie civil lourd ainsi que des sujets additionnels pour compléter les disciplines de mécanique et électricité du bâtiment.

Je suis fier de vous faire part qu’à cette dernière réunion, le Conseil a accepté de poursuivre le rehaussement du niveau d’éducation requis au PQS le plus près possible du niveau bac-calauréat. Cette initiative sera pilotée par notre infatigable administrateur de l’éducation, M. David Lai PQS(F). Nous estimons que la transition complète pourrait prendre jusqu’à 5 ans.

Une fois de plus, QSBC a relevé le défi et mis sur pied un chapitre étudiant au BCIT (British Columbia Institute of Technology). Chris Reinert et Bruno Pilieci seront en visite à Vancouver en Janvier.

Des représentants de l’AQSA continuent d’apporter leur support au Red River College et David Lai se joindra à Norm Lux et Chris Reinert en février pour une présentation au collège liée à leurs cours. Roger Ward devait y participer, mais je dois informer ses nombreux amis qu’il s’est accidentellement brisé une hanche. Nous souhaitons un prompt rétablissement à Roger.

À l’OIQS, Sheri Thompson et moi-même avons fait une visite au Conestoga College. Nous avons aussi participé à une journée portes ouvertes à Ryerson University avec d’autres membre de l’OIQS. Le président Bruno Pilieci a pour sa part visité le Georgian College.

Comme vous pouvez le constater, nous sommes actifs dans les collèges à travers le pays.

Finalement, dans mon dernier message du président, j’ai fait appel à la collaboration des membres matures et fellows pour assister à des tâches variées que le Conseil et ses membres affiliés n’ont simplement pas le temps de faire.

Je fus émerveillé et encouragé de recevoir 35 offres d’assistance à travers le pays. Si vous vous êtes porté volontaire et qu’on ne vous a pas encore assigné une tâche, je vous prie d’être patient : nous vous contacterons. Roy Lewis se charge des gens du civil, Mark Russell s’occupe des publications et Sorina Du Toit dirige le programme de «mentorship».

Le programme de formation continue (CPD) est toujours en développement, mais il a été convenu que les 50 points minimums prendraient effet l’année prochaine.

Donc, vous conviendrez que nous progressons sur toute la ligne.

Nous avons été informés par Mark Russel des plans du QSBC pour l’AGA 2010 à Whistler l’été prochain. Avec leur style habituel, cela promet d’être un événement exceptionnel. Je vous encourage à grossir le nombre des participants et à maintenir le momentum du 50e anniversaire. 🎉
CIQS represents well at Construct Canada

Once again, CIQS exhibited at the Construct Canada show held at the Metro Toronto Convention Centre the first week in December. Over 23,000 people visited the show which is Canada's largest building, design and construction trade show. If you ever have an opportunity to visit this show in the future, it is certainly a worthwhile event. Next year’s show will be held December 1-3, 2010 in the same location.

Thanks are extended to the following members who helped staff our booth at Construct Canada – Lenny Simonelli, Tanju Celen, Sheri Thompson, Marco Alescio, Evelyne Lord, Ishrat Alidina, Samuel Jacobs and all members of CIQS Council.

CIQS Council met for two days following the Construct Show. In addition to the usual reports and discussions on finance, education, marketing, partnering, website, etc., below are some of the highlights:

• James Vermeulen presented a final draft of the proposed Recommended Fee Schedule which he will circulate to all the consultants on the CIQS website for comment before we finalize for printing in the new year
• Following PAQS’ lead, CIQS are considering establishing a Young Surveyors Group for CIQS (see article from Sheri Thompson on page 29 of this issue)
• CIQS will be conducting random Continuing Professional Development (CPD) audits (see CPD Chair’s report on page 10 of this issue)

By the time you receive this magazine the holiday season will be over. I hope all members enjoyed the festivities and best wishes for a prosperous 2010.
Happy New Year and welcome to 2010!

Joshua Mutize, PQS
Construction Economist Editor

M any of you reading this issue are looking back at your personal milestones in 2009 and begin making plans and objectives for this New Year.

Without a doubt, everyone wishes 2009 would fade off from memories. It was a difficult year for many individuals and businesses, and of course the construction industry. With this in mind, we have decided to start publishing construction industry trends for materials, equipment and construction costs. I invite you to look at the Quarterly Construction Cost Outlook included in this issue.

I wrote this message, as my plane was 35,000 feet in the air, flying to Toronto for our CIQS Council meetings and the Construct Canada International conference. At that time, I had gone over my Editor’s report numerous times in preparation for our Council meeting so I was getting tired. That is when I decided to pull out the airline magazine and browse through it. As I was browsing, I came across an article that grabbed my attention. My interest was immediately immersed in this article whose heading said ‘MUST READ.’ This article was written by Dov Seidman, a graduate of UCLA, Oxford University and Harvard Law and was extracted from Dov’s book called How.

“*How* is a radically different and compelling approach to competing in business today. We are all aware of the implications of operating in a transparent, wired, global marketplace,” says Jeff Kindler, Chairman and CEO, Pfizer Inc.

The article reminded me of the film Jerry Maguire, starring Tom Cruise and directed by Cameron Crowe in 1996. Jerry argues that “*The Things We Think but Don’t Say.*” John Wooden, Hall of Fame basketball coach put it this way, “It isn’t what you do, but how you do it.” During the time when the movie was released the economy was booming and we were in a ‘Just do it’ mode, ‘Just do it,’ also a Nike slogan, clearly portrays the seemingly limitless possibilities of the decade. Many companies looking for a way to keep up with the rapid influx of capital looked for ‘shortcuts and easy solutions’ and neglected long term goals. The message to employees was clear; ‘Just do it.’ We are focusing on the bottom line. They ignored the means and methods employed. Along the way, we lost ‘How’ and we all felt it in 2009 when the economy busted. ‘Just do it is no longer enough,’” says Seidman.

At the beginning of this century, concurrent with global growth and technology advancement, there was a sudden growth of the information age and sudden sense of disequilibrium. This flood of undigested and unprocessed information bombards us minute by minute, giving us little time to regain our equilibrium. Although, it is too early to predict without hesitation, there is credible evidence to suggest that we have started emerging from the economic ‘Black Hole.’ I disagree with some economists who are still reporting tremendous negative downfall in the industry. As you can see from the graphs and charts,
there is an enormous amount of missed reporting by many economists. What is important to bear in mind is that although the volume of new construction dropped significantly, there has been a spike in refurbishment, marine, oil and gas, and healthcare projects. The hospital industry continues to strive steadily, as well as most public projects such as roads, bridges and educational establishments.

This opens a gap between historic data and realities of the future. This gap is called the certainty gap and it will never disappear entirely. According to Seidman, the certainty gap – which waxes and wanes as conditions change – exerts a profound influence on our ability to succeed. We only feel comfortable when it is small, however, as it grows, especially in a challenging economy like in 2009, the gap exerts persistent dislocating effects on businesses and financial securities. Although we knew that expansion and contraction cycles are normal for the economy, the degree of uncertainty and discomfort that we feel after reading speculative construction forecasts or trends is no less difficult. Everyone remembers reporters for the New York Times inventing stories or U.K. general construction being involved in bid rigging schemes; everyone at any level of society seemed suddenly vulnerable.

These were the people and companies we looked up to and held as paragons of meaningful economical support of the industry. As their failure gets exposed, we feel vulnerable. We discover that their foundations were built on ‘Just do it’ habits of expediency and short term values. For our industry, we desire construction statistics that provide a higher degree of certainty, consistency and predictability.

Seidman persuasively argues that the process management, now almost a fad, might be strangling innovation. Think about it. HOW we do WHAT we do. WHATS used to be enough for our industry, but is not anymore! HOW is what is important. How can we communicate better historic cost data, construction escalations or inflation to the industry? According to Seidman, the reason to emphasize the HOWs now is that they are the under attended part of the equation. In this 21st century, HOW is the x-factor. The greater we gain control on this factor, the greater are our chances to provide meaningful construction cost data. I believe with today’s vast networks of information, we should be able to deliver a better forecast and better historic cost data. I know there are many economists who desire to provide WHAT, yet there is a tremendous variation of these WHATS.

How?
In the Fall 2009 edition of the Construction Economist, I incorrectly stated that Red River College in Winnipeg, Manitoba is developing a degree program in Quantity Surveying. Red River College is developing a degree program in Construction Management and not Quantity Surveying, my apologies to Red River College.

At the recent meeting held on December 4-6, 2009, the topics discussed by the CIQS Council were:

• Updating the current syllabi to reflect current practices including an updated list of required textbooks, study guides and other educational material. A revised study guide for subject C308 (Cost Planning) is currently available for sale. The format of this revised study guide has changed and now includes numerous examples of examination questions. We hope that this will be the format adopted for all new and revised study guides in the future. The study guide for subject C309 (Development Economics) is currently under review and we hope to have it ready for sale shortly.

• The feasibility of providing online courses for those CIQS subjects which are not readily available at our local colleges and universities.

• Upgrading the level of our academic requirements to one that is equivalent to a degree program. Several years ago this topic was discussed by Council but was never implemented. The current CIQS Council is committed to see this become a reality and has marked this as one of the major items in their long range plan. I will keep you informed on this item.

• Changes to the current Education Policy Guidance Notes to resolve new issues facing members.

• Changes to the TPE diary requirements. As of April 1, 2010, all new members pursuing the CEC/ECC designation will be required to complete diarized diaries as part of the new TPE requirements. There will be minimum times required for each of the mandatory areas of required experience and for the additional optional areas of experience. In addition, any member pursuing the PQS/ECA designation who has not started their TPE diaries will be required to cover minimum times in both mandatory and optional areas of required experience. Members that are currently pursuing their CEC/ECC or PQS/ECA designation have until March 31, 2012 to complete their respective requirements under the current system. Full details and the revised Education Policy Guidance Notes will be made available to all members by April 1, 2010.

• The CIQS was informed by the Canadian Construction Association (CCA) that the current certification agreement will expire as of December 31, 2009. The CCA has changed their requirements for Gold Seal Estimators and we will be changing the requirements for the CEC/ECC designation as noted above. The CIQS will be negotiating a new memorandum of agreement with the CCA within the coming months.

Notes

David Lai, B.Sc., PQS (F)
Professional Quantity Surveyor
CIQS Education Administrator

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Most of us know the feelings we have when we are driving down a road we never drove before. There is a sense of caution for we do not know what is around the next turn yet there is a sense of anticipation of what lies ahead in this new territory. Suddenly I am sensing these very same feelings in my new role as the CIQS CPD Lead.

Following the 50th AGM in June, at the first CIQS Council meeting, I volunteered to be the Council Lead on CPD. I mean, come on, how hard could CPD really be - produce a report at each quarterly Council meeting and inform affiliates and members how easy it is to fill out the form and achieve points. Well this road is turning out to be quite a ride.

Most members understand the relevance and importance of Continuous Professional Development, not just within the CIQS organization but in the construction industry as a whole. CIQS is an association representing professionals and like most other professional associations, adopted a CPD program to maintain its knowledge base, keep up with new technologies and keep current with market trends. It also shows other professionals and organizations that we are proactive with education and learning which could only be viewed in a positive light.

To this end, at the December CIQS Council meeting, Council agreed to implement the following two changes to our CPD requirements:

- The 50 point minimum requirement will become mandatory effective in 2010.
- A CPD Audit Process has been developed and random auditing of 5% of the membership will begin in 2010.
CIQS have maintained statistical data on affiliation submissions plus pass/fail rates for each year since CIQS adopted CPD. The pass percentage has steadily increased and is currently at 80% of the active qualified members meeting the 50 point requirement this year. Of the 20% who did not achieve the 50 points, 25% of those members achieved 40 or more points. These results may be quite satisfactory for some organizations, but CIQS can and must do better.

For those members who did not achieve the 50 points this past year, we would like to provide a sampling of how easy it is to find CPD points in the daily grind. This was authored by Roy Lewis, past CPD Lead and printed in Construction Economist in Spring 2007:

• Work as a QS/Estimator – no rocket science in this option – just remember that basic quantity surveying and estimating techniques work in many non-construction related applications.
• Take extra curricular courses in related topics at:
  1. University
  2. Technical/Vocational College
  3. Distance Education
• Volunteer for your Local Affiliate branch -
  1. Join the executive
  2. Help in research and promotion
  3. Mentor a new recruit
• Attend CIQS and Local Affiliate Meetings and AGM(s)
• Make a Presentation –
  1. In your company
  2. To a client
  3. At the local technical college
  4. At an associated institution - RICS; Construction Association; Industrial Association; Real Estate Board; Bank etc.
  5. To a government department
  6. At the next meeting of your Local Affiliate
  7. At the next CIQS AGM
• Researching the topic will give you education points.
  • Presenting the paper will give you presentation points.
  • Submit it for publication to the Construction Economist.
• Write an article for the Construction Economist -
  • Researching the topic will give you education points.
  • Writing and submitting the paper will give you presentation points.
• Set an examination
• Mark an examination
• Maintain data base(s):
  1. Prices and costs
  2. Industry information related data base
  3. Future prospects
• Write a book/paper for publication
• Attend a QS related education seminar -
  1. Project Management
  2. Writing Skills
  3. Technical Presentation Skills
  4. Negotiation/Mediated/Claim Resolution
• Prepare a Strategic Plan or a Budget -
  1. For your company
  2. For your client(s)
  3. For a local volunteer group
• Attend an Industry Trade Show -
  1. Set up and man a booth promoting the QS profession.

2. Attend related technical presentations.
• Provide Career Development advice at High Schools - Attend and present at Career Days.
• Research related to your QS work -
  1. Trade Publications and Magazines
  2. Government Publications
  3. Internet Search

Roy provided simple and easy tips for achieving CPD points that still apply today. And, with rapidly changing technology that allows online courses, webinars, etc., the excuses are fewer and fewer.

The second change to CPD is the Audit Process. Why do we need an audit? CPD is a professional obligation and the audit is a tool to ensure individuals develop and maintain knowledge and the necessary skills and attributes to practice effectively and work towards improving the quantity surveying profession.

HOW THE AUDIT WORKS
CIQS will administer the audit process as the national body. An Audit Committee is being developed that will comprise of a Chair plus volunteer peer reviewers who are members in good standing and qualified in the relevant area of practice. Owing to the nature of the records, the auditee’s name will be known to the reviewer but all documentation will be dealt with as objectively as possible and in strict confidence.

The CPD Audit Committee will randomly select 5% of active qualified members and the audit will be for the previous calendar year. The requests will be sent normally in the second quarter of the year. When selected for audit, the member will receive a letter outlining:
• Documentation required
• Explanatory notes about the audit and CPD requirements
• A timeframe for responding – typically one month
• Advice if the member has difficulty complying with the audit requirements and/or timeframe

Upon receipt of the audit submission from the member, the documentation will then be forwarded on to the reviewer who will report back to the CPD Audit Committee within a two month timeframe with comments supporting the outcome. The member will be notified of the outcome of their audit at the end of the two month review time period. If disciplinary action is required, the member will be notified when they receive notification of their outcome.

WHEN A MEMBER IS AUDITED
A member who has been randomly selected will receive a letter as follows:

Dear Member,

As part of the CIQS Continuous Professional Development (CPD) process, you have been randomly selected to undergo a CPD audit. This letter outlines your requirements and timeframes for submissions. CIQS is committed to Continuous Professional Development and failure to comply with the audit process will result in the termination of your membership.

It is mandatory to complete and submit a CPD form each year when renewing your membership. The CPD form is mailed with the renewal notice and available on the CIQS website and may be filled out electronically when payment is made. The audit process occurs annually and the sample
size is currently 5%, randomly selected. CIQS is responsible for administering the audit and once the audit submission is reviewed you will receive notification of your outcome. Those who submit satisfactory audit material will not normally be included in another audit for the next two years.

You are required to submit the following information:
1. A copy of your CPD form, signed and dated, that was submitted when your membership was renewed.
2. Supporting documentation. A brief description of your professional activities; diplomas from structured courses; description of informal activities with examples of each; a copy of any formal presentations or a description of informal presentations, topic, timeframe, audience; and a description of activities relating to the QS knowledge such as papers, articles, development of exams.

You have 30 days from the date on this letter to submit your documentation. Submission may be either done electronically by email with support documentation scanned and attached or by mail or fax. Support documentation should not contain any originals as they will not be returned at the completion of the process.

Your audit will be reviewed by a peer who is a member in good standing, qualified in the relevant area of practice. The assessment will be completed and you will be advised of the outcome within 60 days of your submission.

If you are having difficulties providing or understanding the submission requirements or are unable to meet the timelines set in this letter, you are to contact immediately the CPD Audit Chair.

Once the documentation has been submitted, the reviewer will use the following checklist to conduct the audit. A copy of the checklist will be sent to the member at the conclusion of the audit indicating the outcome.

**CHECKLIST FOR THE REVIEWER**

CPD year:
Full Name of Auditee:
Date of Audit:

1. Is the CPD form attached, dated and signed by the auditee? Y/N
2. Has the auditee properly completed the form? Y/N
3. Has the auditee provided all supporting documentation? Y/N

Comments from the Reviewer:

Comments from the CIQS CPD Chair:

As for disciplinary actions, based on the premise that we are all professionals, if CPD disciplinary action is required, the ramifications are really quite simple.

1. If a member fails to submit their CPD form when they renew their membership, they are deemed a lapsed membership and the membership is terminated.
2. If the CPD form is submitted and the 50 point minimum has not been achieved, the member will be placed on a one year probation period where at the conclusion of the probationary year, if the member has still not achieved the 50 point minimum, the member will be terminated.
3. If a member refuses to submit a response, when selected for an audit, the member will be terminated.

Any membership termination comes with the returning of your diploma, plus relinquishing the trademark titles: Professional Quantity Surveyor, PQS Construction Estimator Certified or CEC designations, and the terminated member’s name published in this magazine.

In closing, I would like to offer three personal thoughts:

1. Based on my research, the CIQS CPD program, including the form, the minimum requirements and the audit process is very simple compared to other professional organizations.
2. CPD is here to stay and there is a consensus amongst CIQS Council (which includes representatives from every affiliation) this is one of the cornerstones of our association and as such, we must continually seek, develop and gain knowledge.

3. Finally, in my own daily life, whether I am doing a tiny tenant fit-up estimate, or revisiting a budget option for a feasibility study for the fifth time, somewhere in my day, I do learn at least one new thing (Unfortunately, I forget much more). I am also extremely lucky to have two young children who are just beginning their education journey and it is not difficult to see and feel their excitement and enthusiasm for learning. Why should we stop learning once we have established our careers?

If anyone has any questions or comments on CPD, the process, or this article, please do not hesitate to contact me directly at 902-496-5624 or at mark.gardin@bellaliant.net. Thank you for reading this article – Congratulations you have just earned one CPD point.

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You will be asked to agree to the terms of a licensing agreement for authorized use of the CIQS Marks and Designations as well as Authorized Use of the CIQS Stamps and Seals before proceeding with your purchase.

The CIQS stamps and seals are available to Professional Quantity Surveyors only. If you are not in this category of membership the store will not allow you to proceed with the purchase.
On September 23, 2009, John Hiebert received the Distinguished Alumni Award for significant contribution to a trade or industry at BCIT’s Distinguished Alumni Awards, which recognize and honour BCIT alumni who have distinguished themselves in their careers and community endeavours.

Since graduating from BCIT in 1970 with a diploma in Building Engineering Technology, John Hiebert has contributed to the economic, social and environmental prosperity of British Columbia by demonstrating a progressive and hands-on management style in the province’s construction industry. As president and a partner of TASK Construction Management Inc. he has made innumerable contributions to the industry and the practice of construction management. He continually promotes and advances a collaborative approach by liaising with industry groups and leading seminars and lectures.

“There are many different roles within the industry and BCIT created a wider understanding of those roles so I could choose where I wanted to establish my career,” says Hiebert.

He remains involved with numerous industry boards and committees, counselling government and special interest groups on state of practice of construction management. He has participated as a member and chair of the BCIT Building Tech Advisory Board for several years and was integral in establishing a joint initiative between BCIT and the education committee of the Vancouver Regional Construction Association. John has also acted as a regular guest lecturer within BCIT’s Construction Management degree program for many years. Hiebert is well known throughout the industry for his open and friendly spirit towards crew, staff, colleagues and clients. He has been recognized for his integrity, leadership and communication abilities.

The industry has honoured John’s contributions with several prestigious awards including the Vancouver Regional Construction Association’s Lifetime Achievement Award in 2008 and the Canadian Institute of Quantity Surveyors’ Award of Merit in 2004. He was inducted into the Institute’s Board of Fellows after having acted as the president of the Quantity Surveyors Society of BC, followed by the Canadian Institute of Quantity Surveyors.

The seventh annual BCIT Distinguished Alumni Awards took place at the Four Seasons Hotel in Vancouver on Wednesday, September 23. This event was presented with the support of Diamond Presenting Sponsor, Wellington West ClearSight.
The Honourable Tony Clement, Minister of Industry; the Honourable Margaret Best, Ontario Minister of Health Promotion and Member of Provincial Parliament for Scarborough–Guildwood; and Ann Buller, Centennial College President and CEO, celebrate the groundbreaking for the new library and academic facility at the Progress Campus. The project received federal and provincial funding totaling $35 million through the Knowledge Infrastructure Program and Ontario’s 2009 Budget.

The Knowledge Infrastructure Program is an important element of that plan, providing up to $2 billion to support infrastructure enhancement at universities and colleges. The program responds directly to needs identified by universities (including affiliated research hospitals), colleges, CEGEPs, publicly funded polytechnic schools and institutes of technology across Canada. It also responds to the needs of students as identified by the Canadian Alliance of Student Associations. Institutions and other organizations encouraged the federal government to take action urgently to address deferred maintenance and capital investments in infrastructure because they considered a major portion of existing infrastructure to be at or near the end of its projected life cycle.

Contributed by Shannon Boodram, Centennial College

Left to Right: Mr. Vishal Member, President, Centennial College Student Association Inc.; the Honourable Brad Duguid, Ontario Deputy Government House Leader, Minister of Aboriginal Affairs and Member of Provincial Parliament (MPP) for Scarborough Centre; Mr. Bas Balkissoon, MPP for Scarborough–Rouge River; Mr. Don Schmitt, Diamond and Schmitt Architects Inc.; the Honourable Tony Clement, Minister of Industry; Ms. Ann Buller, Centennial College President and CEO; the Honourable Margaret Best, Ontario Minister of Health Promotion and MPP for Scarborough–Guildwood; Dr. James Norrie, Centennial College Board of Governors; and Mr. Lorenzo Berardinetti, MPP for Scarborough Southwest.

General & Professional Liability Insurance
*discount rate for members of the CIQS

www.plbins.com
1-800-889-3698

Click Here to Return to Table of Contents
The Quantity Surveyors Society of British Columbia are pleased to host the CIQS 51st AGM. The event will be held at the Westin Resort and Spa in Whistler, BC (www.westinwhistler.com) from Thursday June 17, 2010 to Sunday June 20, 2010.

The itinerary is as shown below:

Thursday June 17, 2010
5:00pm to 8:30pm
Welcome cocktail reception in the Callaghan Room

Friday June 18, 2010
8:30am to 9:00am
Continental breakfast

9:00am to 11:45am
Three Technical Sessions in the Alpine Room (Please see page 18 for details)

12:00pm to 1:30pm
Lunch with keynote speaker in the Alpine Room

1:30pm to 3:30pm
2010 Winter Olympic venue visit - Whistler Sliding Centre

Optional activities including ziptreking, ATVs, optional golf, tour of Whistler, downhill mountain biking, bungee jumping, sightseeing/hiking & white water rafting

Saturday June 19, 2010
8:00am to 12:00pm
CIQS AGM (with continental breakfast) in the Alpine Room

Mid-Afternoon
Mountaintop BBQ

Sunday June 20, 2010
8:00am to 10:00am
Farewell breakfast in the Callaghan Room

10:00am
CIQS Golf Tournament at the Whistler Golf Course including green fees, power cart, sleeve of Nike balls and BBQ buffet at the 19th hole

Accommodations

The Westin Resort & Spa is in the process of carrying out a $10M renovation to all of the guest rooms prior to the 2010 Olympics, so we can be assured of excellent accommodations for our stay at the Resort.

The preferred rates for the accommodation are as follows:

• Studio Junior Suite - $189/night
• One Bedroom Suite - $219/night
• Two Bedroom Suite - $379/night
• Mountain Suite - $995/night
The Westin have also held the group rates for 3 days prior and 3 days following the event for members wishing to extend their stay in the resort.

ONLINE REGISTRATION
IS NOW OPEN FOR THE HOTEL
The personalized CIQS online link for making a reservation can be found here:

http://www.starwoodmeeting.com/Book/CIQSAGM

This link can be used to book, modify or cancel your accommodation.

Sponsorship

Platinum - $10,000
- 4 spots at the Technical Seminars
- 4 spots at the Lunch/Keynote Speaker
- 4 passes to the Sliding Centre
- 4 spots at the Saturday Dinner
- A foursome at the Sunday Golf
- Corporate Logo on all literature
- Recognition at Presentations & Dinner
- Longest Drive Sponsor & Nearest The Pin

Gold - $5,000
- 2 spots at the Technical Seminars
- 2 spots at the Lunch/Keynote Speaker
- 2 passes to the Sliding Centre
- 2 spots at the Saturday Dinner
- A twosome at the Sunday Golf
- Corporate Logo on all literature
- Recognition at Presentations & Dinner
- Longest Drive Sponsor & Nearest The Pin

Silver - $2,000
- 1 spot at the Technical Seminars
- 1 spot at the Lunch/Keynote Speaker
- 1 pass to the Sliding Centre
- 1 spot at the Saturday Dinner
- 1 spot at the Sunday Golf
- Corporate Logo on all literature
- Recognition at Presentations & Dinner
- Nearest The Pin Sponsor

Bronze - Under $2,000
- Corporate Logo on all literature
- Recognition at Presentations & Dinner

NOW AVAILABLE
HISTORY OF THE CANADIAN INSTITUTE OF QUANTITY SURVEYORS

This 164 page, full colour, hard cover book was published by the CIQS 50th Anniversary Historical Committee. This commemorative book outlines the history of the Institute and portrays the accomplishments of those members whose work and dedication over the past 50 years have brought acceptance of the profession of quantity surveying within the construction industry in Canada.

To order your copy, please visit our online store at www.ciqs.org or contact CIQS at 905-477-0008 or toll free at 866-345-1168. The book is available for the special anniversary price of $50.00 plus shipping and handling and GST. Available while supplies last.

Visit our online store at www.ciqs.org
9:15am to 9:45am
(30 minutes including 10-15 minutes of Q+A)

WHISTLER SLIDING CENTRE

The Whistler Sliding Centre is one of the most exciting projects of 2010 Winter Olympic venues.

“With exacting design of curve geometry in three dimensions, construction crews of the Whistler Sliding Centre won a 2008 BC Ready-Mixed Concrete Association (BCRMCA) Award for Excellence in Concrete Construction (CONNIE Award). The Century Award that was given to VANOC and the project team for: “The technically staggering Whistler Sliding Centre; an engineering achievement that, according to the judges, only comes along every one hundred years.” (Source: Vancouver 2010)

Speaker: Laurenz Kosichek, Stantec Inc

10:00am to 10:30am
(30 minutes including 10-15 minutes of Q+A)

WHISTLER NORDIC COMPETITION VENUE

Whistler Nordic Centre will be the site of the cross-country skiing, ski jumping, biathlon and other Nordic-combined competitions during the 2010 Olympic Winter Games. The project required ‘progressive thinking and innovation to address the challenging elements of site topography, climatic conditions, environmental concerns, unique structural requirements and site accessibility.’ (Source: www.cornerstonewallsolution.com)

Speaker: Doug Ewing, VANOC Project Manager – Venues Construction

10:45am to 11:15am
(30 minutes including 10-15 minutes of Q+A)

PEAK TO PEAK CONSTRUCTION

Spanning the distance between Whistler and Blackcomb Mountains, the new world record-breaking PEAK 2 PEAK Gondola is a breathtaking, 4.4-kilometre journey to infinite possibilities. Redefining the Whistler summer experience by creating limitless new ways to get up-close-and-personal with the mountains, this engineering marvel breaks three world records:

• Longest unsupported span of 3.024 kilometres
• Highest lift of its kind at 436 metres above the valley floor
• Completes the longest continuous lift system on the globe

(Source: www.peak2peakgondola.com)

Speaker: TO BE CONFIRMED
# CIQS 2010 AGM Registration Form

<table>
<thead>
<tr>
<th>Day</th>
<th>Event</th>
<th>Fee</th>
<th># Attending</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday – June 17, 2010</td>
<td>Cocktail Reception</td>
<td>No Charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday – June 18, 2010</td>
<td>Technical Seminars</td>
<td>$200.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday – June 18, 2010</td>
<td>Keynote Luncheon</td>
<td>$75.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday – June 19, 2010</td>
<td>CIQS 51st AGM</td>
<td>No Charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday – June 19, 2010</td>
<td>Mountaintop BBQ</td>
<td>$75.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunday – June 20, 2010</td>
<td>Farewell Breakfast</td>
<td>No Charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunday – June 20, 2010</td>
<td>Golf-Whistler Golf Club</td>
<td>$175.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sponsorship</td>
<td>Platinum</td>
<td>$10,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gold</td>
<td>$5,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silver</td>
<td>$2,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bronze (Insert Amount)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5% GST or 13% HST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Events subject to confirmation  
*Updated information will appear on the QSBC and CIQS websites (www.qsbc.ca and www.ciqs.org)

Please make cheques payable to: Quantity Surveyors Society of British Columbia

Mail to:  
Quantity Surveyors Society of British Columbia  
#102-211 Columbia Street  
Vancouver, BC  
V6A 2R5

Visa/Mastercard payments may be faxed to 604-681-4545

Card type:     Visa     Mastercard  (circle one)

Card # ..........................................................   Address ..........................................................
Name on card ....................................................   City/Province ................................................
Expiry date ......................................................   Postal code ..................................................
Signature ........................................................  Telephone ....................................................
Name ..............................................................  Email ........................................................
Canada Construction Outlook, 2010

Construction Cost Index
Base Index: 1974 = 100

<table>
<thead>
<tr>
<th>Province</th>
<th>City</th>
<th>INDEX Value</th>
<th>%CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ontario</td>
<td>Toronto</td>
<td>10109</td>
<td>-0.35</td>
</tr>
<tr>
<td></td>
<td>Ottawa</td>
<td>9838</td>
<td>-0.55</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>Regina</td>
<td>12106</td>
<td>-1.11</td>
</tr>
<tr>
<td>Alberta</td>
<td>Edmonton</td>
<td>9871</td>
<td>+1.92</td>
</tr>
<tr>
<td></td>
<td>Calgary</td>
<td>9773</td>
<td>+1.02</td>
</tr>
<tr>
<td>Quebec</td>
<td>Quebec City</td>
<td>8774</td>
<td>+0.33</td>
</tr>
<tr>
<td>Manitoba</td>
<td>Winnipeg</td>
<td>9651</td>
<td>-0.25</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>Halifax</td>
<td>7543</td>
<td>+.12</td>
</tr>
<tr>
<td>British Columbia</td>
<td>Vancouver</td>
<td>7856</td>
<td>+1.38</td>
</tr>
</tbody>
</table>

Canada nonresidential construction continues to be bright in 2010. Residential construction is expected to be flat as supply meets current demand.

Employment outlook is expected to grow more than 10%.

Eastern Canada provinces will continue showing strong growth in oil and gas infrastructures, mining and healthcare. Liquified natural gas (LNG) projects will help stimulate construction activities in Eastern Canada.

Material Cost Index
Base Index: 1974 = 100

<table>
<thead>
<tr>
<th>Materials</th>
<th>2008 INDEX Value</th>
<th>2009 INDEX Value</th>
<th>%CHG</th>
<th>2010 Forecast</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper $/Pound</td>
<td>30333</td>
<td>30254</td>
<td>+12.38</td>
<td>+2.38</td>
</tr>
<tr>
<td>Cement $/Ton</td>
<td>24612.5</td>
<td>24315</td>
<td>-1.2</td>
<td>+0</td>
</tr>
<tr>
<td>Steel $/CWT</td>
<td>38143.35</td>
<td>38015</td>
<td>+7.65</td>
<td>-1.45</td>
</tr>
<tr>
<td>Lumber $/MBF</td>
<td>19750</td>
<td>19751</td>
<td>-3.55</td>
<td>-3.8</td>
</tr>
</tbody>
</table>

We encourage all members to support and attend the 2010 AGM in Whistler
Engineering Construction
Civil construction, especially sewer and water reticulation, will level off in 2010 as residential construction slows down. Road and highway infrastructure will continue to help the engineering sector from going under. A federal government stimulus budget is expected to continue financing this sector, especially for public safety related projects.

Residential Construction
Canadian residential construction outlook for 2010 is not positive. Residential construction will be slowing down in the first and second quarter of 2010.

Institutional Construction
Massive institutional projects are currently underway in almost every province of Canada. There is strong financial support from the provincial and federal governments. Due to aging Canadian population, healthcare will continue to dominate this strong growth followed by education facilities.

Industrial Construction
Weaker housing market will also slow down industrial projects. This sector depends heavily on selling into the residential building industry.

### Construction Machinery Sales Forecast 2010

<table>
<thead>
<tr>
<th>Type of equipment</th>
<th>CANADA</th>
<th>INTERNATIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Per Unit / Percentage Change</td>
<td>2009</td>
<td>2010</td>
</tr>
<tr>
<td>TOTAL VOLUME</td>
<td>3.33%</td>
<td>3.41%</td>
</tr>
<tr>
<td>Concrete equipment</td>
<td>3.01%</td>
<td>3.05%</td>
</tr>
<tr>
<td>Earthmoving equipment</td>
<td>-0.90%</td>
<td>1.03%</td>
</tr>
<tr>
<td>Asphalt and bituminous equipment</td>
<td>-1.11%</td>
<td>1.12%</td>
</tr>
</tbody>
</table>

### USA Construction Cost Forecast, 2010

<table>
<thead>
<tr>
<th></th>
<th>USA</th>
<th>2010</th>
<th>% Chg Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil</td>
<td>234.3</td>
<td>234.56</td>
<td>11%</td>
</tr>
<tr>
<td>Oil and gas construction</td>
<td>2410.2</td>
<td>2411.3</td>
<td>5%</td>
</tr>
<tr>
<td>Building construction</td>
<td>114.51</td>
<td>114.52</td>
<td>1%</td>
</tr>
<tr>
<td>Department stores and shopping centers</td>
<td>109.1</td>
<td>109.12</td>
<td>2%</td>
</tr>
<tr>
<td>Common labour</td>
<td>188.31</td>
<td>188.32</td>
<td>1%</td>
</tr>
<tr>
<td>Structural steel welder</td>
<td>2012</td>
<td>2012.5</td>
<td>2%</td>
</tr>
<tr>
<td>Mechanical labour</td>
<td>345.1</td>
<td>345.12</td>
<td>1%</td>
</tr>
<tr>
<td>Skilled construction welder</td>
<td>111.34</td>
<td>111.34</td>
<td>0%</td>
</tr>
</tbody>
</table>
Civil Construction Index USA

<table>
<thead>
<tr>
<th>Base: 1950 = 100</th>
<th>Dec. 2008</th>
<th>Dec. 2009</th>
<th>% Chg Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction cost</td>
<td>1156</td>
<td>1108</td>
<td>-4%</td>
</tr>
<tr>
<td>Common labour</td>
<td>9345</td>
<td>9134</td>
<td>-2%</td>
</tr>
</tbody>
</table>

2010 USA construction outlook continues to grow as more projects are coming out of hibernation. The volume of construction will be up 9% from 15% down in 2009. General contractors are experiencing 10 month backlogs for nonresidential projects.

Building Construction Index USA

<table>
<thead>
<tr>
<th>Base: 1950 = 100</th>
<th>Dec. 2008</th>
<th>Dec. 2009</th>
<th>% Chg Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building index</td>
<td>5677</td>
<td>5233</td>
<td>-5%</td>
</tr>
<tr>
<td>Skilled construction worker</td>
<td>8790</td>
<td>8654</td>
<td>-1%</td>
</tr>
</tbody>
</table>

This is an improvement from 13 months backlog in July 2009. Refurbishment and healthcare projects continue to lead the industry. Refurbishment projects will increase by 25% in 2010, up 15% from 2009.

Oil and Gas Industry Index USA

<table>
<thead>
<tr>
<th>Base: 1950 = 100</th>
<th>Dec. 2008</th>
<th>Dec. 2009</th>
<th>% Chg Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial construction Index</td>
<td>8811</td>
<td>9167</td>
<td>4%</td>
</tr>
<tr>
<td>Structural steel welder</td>
<td>12356</td>
<td>12788</td>
<td>5%</td>
</tr>
<tr>
<td>Mechanical skilled labour</td>
<td>34567</td>
<td>35233</td>
<td>7%</td>
</tr>
<tr>
<td>Common labour</td>
<td>4555</td>
<td>4899</td>
<td>4%</td>
</tr>
</tbody>
</table>

Construction activity continues to slide in 2010, especially in residential and office projects. The latest stage of credit crunch has led to economic growth raising risk premiums on nonresidential projects across America.

Public Construction

<table>
<thead>
<tr>
<th>Annual $ (Billions)</th>
<th>Dec. 2008</th>
<th>Dec. 2009</th>
<th>% Chg Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total public construction</td>
<td>113.2</td>
<td>113.01</td>
<td>-16.78%</td>
</tr>
<tr>
<td>Department stores and shopping centers</td>
<td>15.4</td>
<td>15.39</td>
<td>-0.20%</td>
</tr>
<tr>
<td>Oil and gas construction</td>
<td>71.44</td>
<td>71.46</td>
<td>2.80%</td>
</tr>
<tr>
<td>Offices</td>
<td>9.2</td>
<td>9.19</td>
<td>-10.87%</td>
</tr>
<tr>
<td>Residential</td>
<td>8.55</td>
<td>8.5</td>
<td>-58.48%</td>
</tr>
<tr>
<td>Healthcare</td>
<td>12.45</td>
<td>12.46</td>
<td>8.03%</td>
</tr>
<tr>
<td>Educational</td>
<td>34.77</td>
<td>34.76</td>
<td>-2.88%</td>
</tr>
<tr>
<td>Transportation</td>
<td>11.1</td>
<td>11.12</td>
<td>18.02%</td>
</tr>
<tr>
<td>Power and transmission</td>
<td>12.03</td>
<td>12.031</td>
<td>0.83%</td>
</tr>
<tr>
<td>Warehouses and distributions</td>
<td>10.1</td>
<td>10.09</td>
<td>-9.90%</td>
</tr>
<tr>
<td>Recreation</td>
<td>11.3</td>
<td>11.3</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Project bid price declines expected to continue at high momentum throughout 2010.

There is no data collection or reporting on refurbishment projects. Hence, this increases the ‘Certainty Gap’ on trend analysis.

International Tender Price Index

<table>
<thead>
<tr>
<th>2008</th>
<th>2009</th>
<th>Annual % CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>3.96</td>
<td>3.92</td>
</tr>
<tr>
<td>Switzerland</td>
<td>4.2</td>
<td>4.2</td>
</tr>
<tr>
<td>Germany</td>
<td>3.98</td>
<td>3.9</td>
</tr>
<tr>
<td>Ireland</td>
<td>112</td>
<td>112</td>
</tr>
<tr>
<td>Belgium</td>
<td>2155</td>
<td>2155</td>
</tr>
<tr>
<td>Denmark</td>
<td>213</td>
<td>209</td>
</tr>
<tr>
<td>Hungary</td>
<td>215</td>
<td>215</td>
</tr>
</tbody>
</table>
**International Tender Price Index Continued...**

<table>
<thead>
<tr>
<th>Country</th>
<th>2008</th>
<th>2009</th>
<th>Annual % CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finland</td>
<td>212</td>
<td>209</td>
<td>-1.42%</td>
</tr>
<tr>
<td>Poland</td>
<td>2151</td>
<td>2151</td>
<td>0.00%</td>
</tr>
<tr>
<td>Czech Republic and Slovakia</td>
<td>1125</td>
<td>1120</td>
<td>-0.44%</td>
</tr>
<tr>
<td>Canada</td>
<td>815</td>
<td>811</td>
<td>-0.49%</td>
</tr>
<tr>
<td>New Zealand</td>
<td>458</td>
<td>455</td>
<td>-0.66%</td>
</tr>
<tr>
<td>Australia</td>
<td>456</td>
<td>453</td>
<td>-0.65%</td>
</tr>
<tr>
<td>Malaysia</td>
<td>145</td>
<td>142</td>
<td>-2.03%</td>
</tr>
<tr>
<td>South Africa</td>
<td>115</td>
<td>115</td>
<td>0.00%</td>
</tr>
<tr>
<td>China</td>
<td>112</td>
<td>109</td>
<td>-2.68%</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>235</td>
<td>235</td>
<td>0.00%</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>231</td>
<td>231</td>
<td>0.00%</td>
</tr>
<tr>
<td>U.A.E (Dubai)</td>
<td>210</td>
<td>210</td>
<td>0.00%</td>
</tr>
<tr>
<td>India</td>
<td>156</td>
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Disclaimer - While the information is believed to be accurate, no responsibility is accepted for its accuracy. We recommend doing your own due diligence to verify its specific usage and applicability to your projects.

Information has been compiled from many sources including, but not limited to the following: Statistic Canada, Bank of Canada, TD Economics and Scotiabank, The World bank, US Department of Commerce and US Census group.
Remember the good old days when the electrical side of our projects meant putting a few receptacles on the walls and installing some off-the-shelf lighting on the ceiling? Remember when you could budget 10% of the total cost for this? These days the electrical side of a project has expanded greatly and costs closer to, and sometimes exceeds, 20%.

Why the change? Technology is always evolving and the drive for sustainable design has altered the status of electrical systems within the construction industry. Electrical systems can no longer be viewed as stand-alone elements within a greater overall structure. Instead, they are becoming increasingly integrated into the ‘whole building’ approach. Smart lighting control, daylight sensors and a myriad of other gadgets previously found only in James Bond movies have become the norm. Technology has changed the planning and construction process. It is almost as if our buildings are beginning to think for themselves.
Have similar advances been made in the ways in which we procure the services of the electricians who are working on such projects? Or are we stuck in the twentieth century when it comes to tendering processes? From where I am standing, it looks like progress has stopped at the outside walls of our buildings.

Look at all the amazing systems and energy-saving inventions we now take for granted. How can we have come so far but still rely on so-called competitive tendering when it comes to one of our key sub-trades? Is there no drive within the industry to change how we engage electrical contractors?

Whenever I talk to electrical sub-contractors about ‘competitive tendering,’ I sense a general apathy. I hear over and over from them that they generally feel that it does not matter how much effort and diligence you put into an estimate, it is always going to be a case of ‘it is not what you know, it is who you know’ as to who wins the job.

Intrigued, I began to probe further to find the reasons behind this attitude. The consensus was that because electrical sub-contractors belong to the sub-trade group and they have to bid on projects through general contractors in a competitive tendering situation, there is a perception that some general contractors are still operating on a buddy system. In other words, contracts are frequently let to a favoured sub-contractor or there may be some bid-rigging happening.

I acknowledge that this may not be the case on the majority of our projects, and maybe it does not even happen at all, but we are still facing the ‘perception’ of an unbalanced system.

So how do we, as industry professionals, deal with this? In my opinion, we need to move forward and start thinking about dealing with our major sub-contractors, such as electrical and mechanical, as ‘contractors’ and take them out from under the umbrella of general contractors. We need to start thinking about hiring them as direct contracts to the project owner.

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I understand that there are negatives with this approach. For example:

- It does not lend itself to all project types and sizes.
- Risk shifts to the owner.
- Who manages the sub-trade?
- Co-ordination issues.

But there are also advantages. For example:

- Sub-trades close direct to owner – fair playing field, more interest, better quality of sub-trade bidding, better pricing.
- No general contractor’s markup to pay out – savings can offset additional management costs.
- Better team spirit, by bringing in the sub-trade earlier and making them feel part of the team the owner can get the benefit of their experience, resolve co-ordination issues earlier and obtain project buy-in.

So, do we stand pat or move forward? I believe we need to move forward and try a different approach, bring our key trades in early and direct source them - who knows, it could be an illuminating experience?

Steve J. Hadden, Dip. Surv, PQS, LEED AP, is Principle of Hadden & Associates Electrical Cost Consultants, a specialist electrical cost consultancy firm based in Vancouver, BC. He has over 20 years of experience in the construction industry and has worked in staff positions and as an independent contractor.
The CIQS would like to welcome the following new members (Including Reinstatements):

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A crucial part of navigating the turbulent waters of these economic times is to be sure you keep the right crew aboard to keep your ship afloat. Organizations that lose focus on this are asking for trouble both now and in the future, if they have one.

Here are five tips to be sure your high flyers are flying with you:

1. **DETERMINE THE MOTIVATIONS OF TOP TALENT**
   How? Ask! It is important to be specific and assure questions like the following are answered by your top brass:
   - Are you happy with where your career is headed?
   - What would you like the next step in your career to be?
   - How can I/we help you get there?
   Exit interviews are not the time to determine these motivations. Find out what your future leaders need now and feed those who feed your machine.

2. **MAKE INDIVIDUAL MEETINGS A STANDARD**
   Another common fumble by companies is that they do not make individual updates a cultural consistency. They do backflips for their clients yet do not look inward and pay special attention to those who drive business and pump oxygen into their organization. Meeting with your folks individually recognizes their importance and provides a wonderful forum for discovering what they may not disclose in a group meeting.

3. **DELEGATE AND GIVE RESPONSIBILITY**
   One of the biggest challenges is for executives to let go because all that happens under their jurisdiction is their responsibility. Remember that your emerging leaders want to be challenged and be given assignments that utilize their talent. This is how they learn. Let go and show trust and you will be surrounded with a higher performing team.

4. **BECOME A TEACHING EXECUTIVE**
   Even the brightest executives have never been taught the fundamental rule of adult learning: Teaching has not occurred until learning is confirmed. Telling is not teaching and execs must know that even the brightest talent may process information differently than they do. Be sure you are patient and aligned as you develop and confirm that understanding has happened.

5. **SHARE KNOWLEDGE**
   In the absence of feedback from others, people create their own – and it is typically negative. Executives must keep their folks abreast of what is going on, regularly! Provide knowledge which is different from data. Data is merely ‘the what.’ Knowledge is ‘the what, the why and the how they play a vital role to change and growth.’ Keep your top talent informed and you will keep morale high and these key players passionate about sticking around.

Joe Takash, a behavior strategist, is the author of the newly released Results Through Relationships: Building Trust, Performance and Profit Through People, as well as a sought-after media resource and keynote speaker. As the founder of performance management firm Victory Consulting, Joe has worked with clients like American Express, Prudential, Century 21 and General Motors.
Get a jump on preventing winter sports and cold-related injuries

Winter is here. The snow is falling and wind chills are already making their way below zero. Now is the time to begin thinking about preventing winter sports and cold-related injuries. Trish Palmer, MD, a sports medicine specialist and family medicine physician at Rush University Medical Center in Chicago, says most cold-related injuries can be prevented with a little planning, preparation and proper equipment.

One of the most common winter related injuries is due to shovelling snow. “It is vigorous exercise and a big strain on the back that people do not appreciate,” says Palmer. “The weight and position are really bad for two parts of your back. A disc could be compressed resulting in a pinched nerve. Also, the muscles in the lower back are small and easily strained.”

Palmer suggests preventing problems with good positioning and exercise. When you lift 10 pounds close to your body it exerts 10 pounds of pressure on the back. If you lift that same 10 pounds away from your body, as people often do when shovelling, it is seven times heavier, exerting 70 pounds of pressure on the back.

The best advice is to not do it. “Our bodies are not built well for shovelling snow,” says Palmer. “Get a snow blower or pay a fit neighbour kid to do it for you.”

If you insist on shovelling yourself, Palmer suggests you start exercising before the winter season begins. “You need to get in shape and build up those back muscles before the snow falls.”

That advice holds true for winter sports as well. Exercising in cold weather places extra demands on the body. If you have not exercised regularly in months, you are more likely to suffer an injury on the ski slopes or at the ice rink. Palmer, who is also a physician committee member of the United States Ski and Snowboard Association, suggests paying special attention to muscles particular to your chosen sport.

For downhill skiing, concentrate on strengthening the muscles of the upper leg, the quadriceps and hamstrings. You want both sets of muscles to be strong or you could open yourself to injury. According to Palmer a great exercise is the wall sit. Sit against a wall as if you are in a chair. Make sure your upper legs are horizontal and your heels are directly beneath your knees. Try three sets of 30 seconds each. Try to hold the position a few seconds longer each time you do the exercise.

If you are hoping to be the next Nancy Kerrigan, or at least stay on your feet while ice skating, Palmer suggests working on strength and balance. “Propreception drills are balance drills that can be done at home to help improve awareness of what your foot is doing while your eyes are closed,” says Palmer.

In addition to strengthening the quads and hamstrings, condition the calves and the muscles in the front of the leg. Squats, lunges and calf raises are the most basic exercises for lower body strength. To strengthen ankles, use resistance bands wrapped around the leg of a table and your foot. Flex feet toward your body. Repeat the exercise moving your foot in a clockwise fashion, then move the foot counterclockwise.

Snowboarding is gaining in popularity and, as a result, doctors are seeing more wrist and arm injuries, especially for beginners. On an up note, people with knee problems may want to transfer to snowboarding because it may be easier on the knees than skiing.

Once the skating pond freezes and the snow falls, the most important part of protecting yourself during winter activities is being prepared. Warm up before you go outdoors for activities to loosen muscles and expand your lungs to handle the cold air. Exercise- and cold-induced asthma can be worse in the winter, so cover your mouth with a scarf to warm the air coming into your lungs.

Dress warmly in layered clothing, hats, warm socks and mittens. “Always be aware of frostbite and hypothermia,” says Palmer. “During a bad wind chill, you can get frostbite much more quickly than you may think.”

Participate in outdoor activities with a partner and check each other for signs of hypothermia, which include shivering, drowsiness and lack of coordination. Do not forget to drink plenty of water before, during and after your outdoor fun. Dehydration can also occur in the winter months with strenuous activities. Do not drink alcohol, which can restrict blood vessels and increase your risk for hypothermia. Protect your skin from the sun and wind using a sunscreen or sun block. The sun reflects off the snow and is stronger than you think.

Palmer can not stress enough the importance of protective equipment and proper fit. Ensure that your skis, skates, shoes and other equipment fit you correctly. Helmets are a must for skiing, sledding and snowboarding. “You would not allow your child to bicycle without a helmet; why would you allow them to do other high velocity sports without protection?” says Palmer.

And finally, enjoy yourself—but remember to stop before you get fatigued. Most winter-related injuries happen as participants tire out.
It is with regret that we announce the passing of one of our founding fathers, William George White. Bill died at University Hospital in London, Ontario on Wednesday December 2, 2009 in his 98th year. Beloved husband of the late Shelagh (Marsh) White (1995). Dear father of Simon (Glenda Burrell) of Tobermory, Andrew (Janet) of Mount Brydges and Hilery McAlpine (Ian) of Walkerton. Loved grandfather of Meagan, Sarah, Jonathon, Laura, Jennifer and great grandfather of Seth West. Predeceased by his brothers Stanley and David and sisters Margaret and Edith.

As an expression of sympathy, donations to the Overseas Missionary Fellowship Fund, OM International Canada, 5155 Spectrum Way, Building #21, Mississauga, ON L4W 5A1 would be appreciated by the family. Online condolences at www.amgfh.com

Excerpt from the History of the Canadian Institute of Quantity Surveyors, 50th Anniversary Book by Colin Randall-Smith, PQS(F):

“Bill was born in England and received his quantity surveying education at Bath Technical College, where quantity surveying night courses were being offered free of charge. After completing his studies, he went to work for E.C. Harris and Partners, who were involved in the construction of war department projects. Following this, he worked with McAlpine on an airfield project in Anglesey. By 1957, Bill was no longer happy with his situation and elected to head to Canada with his family. By a curious twist of fate, an unemployed Bill bumped into a man on Bloor Street in Toronto. This person turned out to be Malcolm Milton, the first President of CIQS, whose firm was looking for another quantity surveyor. Two weeks later, Bill was working.

Two years later, Bill moved to the general contracting firm of Taylor Woodrow, which was involved in several high profile projects including the Ford head office and Yorkdale Mall. In 1963 he moved to London, Ontario, to work on a new hospital. His work was so successful that he was appointed manager of the property service, a position in which he remained until his retirement in 1978.

Bill was elected President of the CIQS in 1962. The OIQS made Bill an Honourary member at the 2007 OIQS AGM.”

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**CIQS Young Surveyors Group**

*By Sheri Thompson, Professional Quantity Surveyor*

Following the initiative of PAQS to create a Young Surveyors Group, CIQS Council thought it might be a good idea to create our own group. Therefore the CIQS is actively seeking participants for the new CIQS Young Quantity Surveyors Group. This group will address the networking needs of young professionals, provide mentoring opportunities for students as well as recent graduates and provide a forum for the transfer of information between young quantity surveyors.

If you are interested in participating or helping with this group please email Sheri Thompson at CIQS.YQSG@gmail.com

I look forward to hearing from you.
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