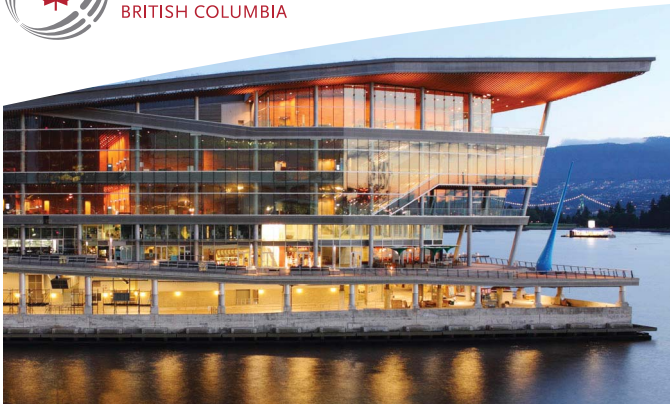




ASSOCIATION OF CONSULTING
ENGINEERING COMPANIES
BRITISH COLUMBIA



ACEC British Columbia

Newsbrief

October 2013



Message from the President

Keith Sashaw

As the Association of Consulting Engineering Companies of BC has previously reported, the inventory of major projects underway or being planned in British Columbia is hitting record numbers. As of the last report, the total capital cost of major projects in BC reached \$299.4 billion in the second quarter of 2013, representing an 8.8 per cent jump over the previous quarter and 26.5 per cent higher than one year earlier.

For consulting engineers, this is exciting news, as our members will be at the heart of the action in planning, designing, developing, constructing and maintaining these projects. BC's consulting engineers are among the best in the world, and their expertise will be invaluable in ensuring these

projects are delivered safely, effectively and in accordance with the highest environmental and performance standards.

Needless to say, many of the proposed projects are controversial, and will generate considerable attention from a variety of sources. What will be critical is that the voices of reason and expertise are heard as these projects make their way through the regulatory and planning processes.

ACEC-BC and our members can play a role in ensuring there is balance in the public debate. By bringing forward the perspectives of professionals trained in the latest engineering methods and who specialize in dealing with environmental, safety and design concerns, we can help the general public move toward consensus on these issues.

ACEC-BC has already provided commentary on issues such as mining and the Massey Tunnel. We are presenting mixers with Kinder Morgan and others to allow open and informed debate around projects. ACEC-BC has also provided insights into the latest Integrated Resource Plan issued by BC Hydro.

If BC is to thrive and our economy is to continue to grow and create jobs, generate taxes and provide all sorts of opportunities for people who live and move here, it is critical that there is a full understanding of major projects and we work together to ensure that legitimate concerns are ad-

ressed, so these projects move forward. ACEC-BC will do what it can to provide input, and encourages its members and others to be a part of the solution so these projects move ahead.

Keith Sashaw
President & CEO, ACEC British Columbia

Vancouver Board of Trade Energy Forum 2013

Join us November 5, 2013 at the Fairmont Hotel Vancouver to hear keynote speaker **Alison Redford**, Premier, Province of Alberta, and guest speakers **Ian Anderson**, President, Kinder Morgan Canada; **Lorraine Mitchellmore**, President, Shell Canada Limited; (Moderator) **Gary Mason**, National Affairs Columnist, The Globe and Mail.

The Forum brings together industry experts and senior government officials from across Western Canada to lead the "big picture" conversation on how Canada is currently positioned and to identify changes that need to happen to ensure we remain competitive in global energy markets in the 21st Century.

ACEC-BC Members register [here](#) using promo code: **ACECREDFORD** for 25% off the non-member ticket rate.



Mark Your Calendars!

Facing the Future is a transportation conference hosted jointly by ACEC-BC, the BC Ministry of Transportation and Infrastructure, and TransLink. The conference takes place on Tuesday, January 28, 2014 at the Hyatt Hotel in Vancouver.

Facing the Future will focus on *Trends and Topics in BC's Transportation Industry*, offering presentations and panel discussions in two main streams...

Future Trends

- Climate Change Adaptation
- Electric Vehicles – Charging Stations and Infrastructure
- Regional Transportation Management Centre – Intelligent Transportation Systems (ITS) for the Lower Mainland
- Freight Tracking – GPS Tracking

LNG

- LNG Infrastructure – Roads and Ports
- Shipping of LNG – Safety, Environmental Protection and TERMPOL Review Process
- Public Transit – Transition to LNG
- Environmental Aspects of LNG

A morning bus tour, led by Port Metro Vancouver staff, will visit the North Shore and South Shore Trade Areas.

The luncheon keynote speaker is **Steve Carr**, Deputy Minister of Natural Gas Development. The plenary session will also feature presentations on the Evergreen Line, and TransLink's Regional Transportation Strategy.

Following the technical presentations and panel discussions in the afternoon, the conference wraps up with a networking reception, and the **Deputy Minister's Awards Dinner**.

Registration for the conference will be opening soon – ACEC-BC members will be notified by email, or see:

www.acec-bc.ca/events/transportation-conference.aspx

Sponsorship Opportunities

Suppliers, contractors, engineers, geo-scientists, agencies and service providers will gain valuable recognition as conference sponsors. For detailed information, please visit the [conference web page](#).

Registration for the conference will be opening soon – ACEC-BC members will be notified by email.

Upcoming Events

November 8

Delay Claims in Western Canada

*SFU Segal School of Business
Presented by Affinity Institute*

November 13

Vancouver Island Mixer

The Union Club, Victoria

November 14

YPG Breakfast Seminar

Hyatt Regency Hotel, Vancouver

November 19

Trans Mountain Mixer

Hilton Vancouver Metrotown, Burnaby

November 21

YPG Victoria Breakfast Seminar

The Union Club, Victoria

November 27

Professional Service Agreements pt. 2

Hyatt Regency Hotel, Vancouver

December 4

Writing Winning Proposals

Four Seasons Hotel, Vancouver

December 10

Business Development for Engineers

Four Seasons Hotel, Vancouver

January 28

Facing the Future Transportation Conference 2014

Hyatt Hotel, Vancouver

February 19 – 20

Buildex Vancouver

Vancouver Convention Centre West

April 12

ACEC-BC Awards Gala

Vancouver Convention Centre West



2014 AWARDS FOR ENGINEERING EXCELLENCE

Swing into Spring at the 25th Annual Awards for Engineering Excellence Gala, Saturday April 12, 2014 at the Vancouver Convention Centre. The Awards celebrate the technical excellence, creativity and innovation in the BC consulting engineering industry. This is your opportunity to participate in one of the most exciting events in the industry's calendar.

New Category for 2014...

Awards are now granted in **six categories**:

- Buildings
- Municipal & Civil Infrastructure
- Transportation & Bridges
- Energy & Industry
- Natural Resource & Habitat (**new!**)
- Soft Engineering

Please note that a new category, *Natural Resources & Habitat*, has been added for this year's competition. For more details, be sure to review the **Competition Guide**.

For each of these categories one Award of Excellence and at least one Award of Merit is presented every year. All entries in the competition are displayed through the year, in public locations across the province, as part of the ACEC-BC Awards Road Show. They will also be highlighted in a special supplement appearing in the April 15 issue of *Business in Vancouver* magazine.

November 13 Deadline for Intents...

The deadline for Intents to Submit is November 13, 2013. Final submissions are due on January 21, 2014 (by 11:00 a.m.) along with the Entry Fee of \$900 + GST (Total = \$945) per submission. If you have any questions about the Awards program, please contact the ACEC-British Columbia secretariat at...

✉ info@acec-bc.ca 📞 (604) 687-2811

or visit our website:

www.acec-bc.ca/awards.aspx

ACEC-BC Professional Development Seminars

ACEC-BC is offering an expanded program of professional development seminars this year, and they are proving to be very popular. Some of the upcoming PD events to watch for are:

Professional Service Agreements, Part 2

November 27 | Hyatt Hotel, Vancouver presented by Ben Novak, DFS Design Firm Seminars – *following up on Part 1, which was offered on October 3.*

Writing Winning Proposals

December 4 | Four Seasons, Vancouver presented by Kate Cockerill, Communik8 – *only a few seats remaining for this seminar!*

Business Development for Engineers

December 10 | Four Seasons, Vancouver presented by Ralph Kison, Kison Inc. – *a second offering of this seminar... only about 10 seats are still available.*

Planning is underway for a seminar in the new year on *Succession Planning*, to be presented by FocalPoint Business Coaching. Watch for more great ACEC-BC professional development events, coming soon!

or visit our website:

www.acec-bc.ca/events/event-calendar.aspx

Upcoming Legal Conference

ACEC British Columbia is pleased to be a sponsoring association for an upcoming conference presented by the Affinity Institute:

Delay Claims in Western Canada
November 8, 2013

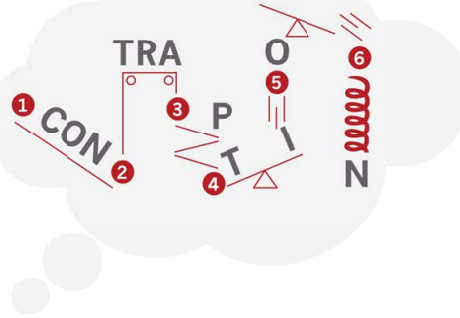
The seminar will be co-chaired by John Logan of Jenkins Marzban Logan LLP and Chris O'Connor of Borden Ladner Gervais LLP. If you aren't able to make it down to Vancouver the conference is also being made available for online viewing.

ACEC British Columbia members receive a 15% discount on this event by using the preferred pricing code A122013 when registering for Delay claims online at...

www.affinityinstitute.ca



CONSULTANTS'



The Young Professionals Group of the Association of Consulting Engineering Companies of British Columbia (ACEC-BC YPG) will once again be hosting a charity event to raise funds in support of GEERing Up! by building a Rube Goldberg Machine called the **Consultants' Contraption** at Guildford Town Centre in Surrey, B.C. The YPG would like to invite YOU to construct a part of this machine!

Deadline extended to November 15

If you are interested in participating or donating, please reply to ConsultantsContraption@acec-bc.ca. We will get in touch with your designated representative with the guidelines for your Rube Goldberg Machine module if you choose to participate in the event. The deadline for submitting your intent to participate has been extended to **November 15, 2013**. Registration will be on a first come first serve basis and there are limited spots available.

Details are in the **Letter of Invitation** – for more information on GEERing Up!, as well as descriptions of Rube Goldberg Machine ideas and media from our 2012 event, please visit our Facebook page at:

[facebook.com/ConsultantsContraption](https://www.facebook.com/ConsultantsContraption)

Sincerely,

ACEC-BC YPG Consultants' Contraption Steering Committee

ACEC-BC Welcomes new Corporate Member

ACEC-British Columbia is pleased to welcome new Corporate Member...

Rocky Point Engineering Ltd.

www.rockypointengineering.com
info@rpeng.ca

Rocky Point Engineering is a privately owned building services mechanical engineering company with offices situated in Vancouver, Langley, Victoria, Nanaimo, Kelowna, Kamloops and Nelson.

102 – 3721 Shenton Road
Nanaimo, BC V9T 2H1
(250) 585-0222

302 – 2425 Quebec Street
Vancouver, BC V5T 4L6
(604) 559-8809

208 – 20171 92A Avenue
Langley, BC V1M 3A5
(604) 888-7779

312 – 1095 McKenzie Avenue
Victoria, BC V8P 2L5
(250) 704-4427

201 – 1420 St. Paul Street
Kelowna, BC V1Y 8E7
(250) 763-3759

202 – 1339 McGill Road
Kamloops, BC V2C 6K7
(778) 471-6472

607 Front Street – 2nd floor
Nelson, BC V1L 4B6
(250) 352-7933

Online Awards Road Show

Be sure to check out the project display boards from the 2013 Awards for Engineering Excellence competition on our web site...

www.acec-bc.ca/awards.aspx

2013 Canadian Consulting Engineering Awards

On October 22, the winning projects in the 2013 Canadian Consulting Engineering awards were handed out at a gala dinner at the Ottawa Convention Centre in the nation's capital.

Now in their 45th year, the Canadian Consulting Engineering awards are the highest recognition for excellence in the Canadian consulting engineering industry. The program is a joint initiative of the Association of Consulting Engineering Companies – Canada (ACEC) and Canadian Consulting Engineer magazine. Commenting on their significance, ACEC president John Gamble said: "These awards showcase the important role of Canadian consulting engineers in every aspect of our lives."

Following is a list of the award-winning projects. For a full description and photographs of each project, click [here](#).

Schreyer Award

presented to a project that best demonstrates technical excellence and innovation

West Edmonton Sanitary Sewer Stage W12, Edmonton, Alberta by **SMA Consulting** and **Associated Engineering**

Tree for Life Award

presented to a project that best demonstrates outstanding environmental stewardship

Sydney Tar Ponds and Coke Oven Sites Remediation; Sydney, Nova Scotia by **AECOM** and **CBCL**

Ambassador Award

presented to a project constructed or executed outside of Canada, which best showcases Canadian engineering expertise

Allain Duhangan Hydroelectric Project, Hymachal Pradesh, India by **AECOM**

Engineering a Better Canada Award

presented to a project that best showcases how engineering enhances the social, economic or cultural quality of life of Canadians

Seismic Retrofit Guidelines for BC Schools by **Ausenco**, **Bush Bohlman & Partners**, **Read Jones Christoffersen** and **GENIVAR**

Outreach Award

presented for a company's role in donating their time and/or services for the benefit of a community or group either in Canada or on the international stage

Golder Associates Charitable Initiatives by **Golder Associates**, Calgary

The 5 special awards listed above also received Awards of Excellence. Another 15 Awards of Excellence were presented in eight categories...

Awards of Excellence

BUILDINGS

Centre for Sustainable Development/ Maison du développement durable, Montreal by **Bouthillette Parizeau**

Redevelopment of Maple Leaf Gardens, Toronto by **exp Services**

Surrey City Centre Library, Surrey, B.C. by **Fast + Epp**

Mike & Ophelia Lazaridis Quantum-Nano Centre, University of Waterloo, Ontario by **Halsall Associates**

TRANSPORTATION

Winnipeg's First Rapid Transit Corridor – Southwest Transitway by **Dillon Consulting**

Squamish Pedestrian Overpass, Squamish, British Columbia by **Hatch Mott MacDonald**

WATER RESOURCES

Lorne Park Water Treatment Plant Expansion, Mississauga, Ontario by **AECOM** with **GENIVAR**

Exshaw Municipal Water System, Exshaw, Alberta by **ISL Engineering and Land Services**

ENVIRONMENTAL REMEDIATION

Harvest Energy Garden, Richmond, B.C. by **Opus DaytonKnight Consultants**

NATURAL RESOURCES, MINING, INDUSTRY & ENERGY

Palo Viejo Hydroelectric Project, Quiche, Guatemala by **Hatch**

Alexandra District Energy Geothermal System, Richmond, British Columbia by **Stantec Consulting**

SPECIAL PROJECTS

Rewriting the History of the Khmer Empire, Cambodia by **McElhanney Consulting Services**, Vancouver

PROJECT MANAGEMENT

Deh Cho Bridge, Fort Providence, Northwest Territories by **Associated Engineering**

Calgary's West LRT Project, Alberta by **Hatch Mott MacDonald**

INTERNATIONAL

SIEPAC Network: engineering, construction, contracts management and works supervision – Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, Panama by **Dessau International**, Montreal

For more details on the award winning projects, and the Canadian Consulting Engineering Awards, please see:

 www.canadianconsultingengineer.com/issues/de.aspx

Thank You Awards Sponsors!

The ACEC-BC Awards Gala owes much of its success to the participation of our Sponsors. To date, confirmed Sponsors of the 2014 Awards for Engineering Excellence are:

Patron Sponsor



Platinum Sponsors



Bronze Sponsors

McElhanney Consulting Services Ltd.

For information about participating as a sponsor of the ACEC-BC Awards for Engineering Excellence, please see

 www.acec-bc.ca/awards.aspx

FIDIC Centenary Awards Celebrated in Barcelona

ACEC-BC members, and their projects, were among those honoured at the FIDIC Centenary Awards Gala, September 16, 2013 in Barcelona.

FIDIC was delighted to award Trophies of Excellence for projects, individuals and firms having made a significant contribution over the last 100 years. In addition, a number of recipients received Awards of Merit from FIDIC President Geoff French and special guest Olivia Prangey, great grand-daughter of FIDIC's first President Louis Prangey.

In the category of Major Civil Engineering Projects of the last 100 years, Stantec Consulting and AECOM received an Award of Excellence for the Confederation Bridge.

The 13-kilometre Confederation Bridge stretches across the Northumberland Strait and incorporates proven technology with state-of-the-art materials to meet the demands of a fast-track design-build process. The process, which began in 1987 and concluded in May 1997, required innovative approaches in procedural as well as structural design. Designers needed to demonstrate to the international financial community that the bridge could provide a cost-effective, low-maintenance, all-weather fixed link with the mainland throughout the 21st century, replacing a ferry service operating between the two provinces since the late 1800s.

The design team's attention to design details allowed construction to proceed from site preparation through to completion in under four years, despite the massive scale of the project and the weather-imposed winter shutdowns.

Opus International Consultants were recognized with an Award of Merit in the category of Major Civil Engineering Projects of the last 100 years for the Britomart Transport Centre, New Zealand. In addition, Opus was honoured with an Award of Merit in the category of Firms making a significant contribution over the last 100 years.

With a heritage dating back to the mid-1800's, Opus started life as the New Zealand Government's Public Works

Department and were instrumental in the development of the country's infrastructure. Today Opus is a listed company with some 3,000 people across 91 offices in five countries.

The Britomart Interchange in Auckland was the largest infrastructure project ever undertaken by a local authority in New Zealand. The project has been internationally recognised with an ACENZ Gold Award, the NZ Concrete Society Premier Award, and Institute of Structural Engineers Structural Award Commendation, and now the Award of Merit at the FIDIC awards in Barcelona.

ACEC-British Columbia congratulates Stantec, AECOM and Opus on receiving these prestigious awards, which demonstrate the highest regard at the global level for the expertise and innovation offered by our member firms.

For more information about the 2013 FIDIC Centenary Awards, see:

 fidic.org/node/3200

CCPPP National Conference

November 7–8, 2013 | Fairmont Royal York Hotel, Toronto

The Annual CCCCC National Conference is now recognized as the premier event on public-private partnerships (P3) in the world. It began in 1992 and has since grown to include over 1,200 senior public and private sector participants, making it the largest annual gathering of P3 decision-makers. The P3 2013 program is now available.

This "must-attend" annual P3 event attracts a wide range of participants from the public sector at the municipal, provincial/territorial and federal levels across Canada. The private sector delegates at the conference represent a cross-section of P3-related professions, including law, finance, construction, engineering, project management, architecture, consulting, communications, real estate development and building services. There are also a number of attendees from other countries looking for Canadian opportunities or best practices.

 www.pppcouncil.ca

Seismic Retrofit Guidelines 2nd Edition (SRG2) Seminar

*November 8, 2013 | 8:00 am - 5:00 pm
Pan Pacific Vancouver, Oceanview 5/6*

This workshop will address the principal topics in the development of the Seismic Retrofit Guidelines, 2nd Edition (SRG2) for low-rise school buildings (K-12). It will also address a new Volume within SRG2 to make the Guidelines suitable for a select type of mid-rise post-secondary educational buildings in British Columbia.

In partnership with UBC, APEGBC has been assisting the Ministry of Education to implement the Seismic Mitigation Program since 2004. In 2012, the Ministry of Advanced Education became a collaborative partner in expanding SRG2 to include select types of mid-rise post-secondary educational buildings.

Under the direction of the APEGBC Seismic Peer Review Committee, risk assessment and mitigation strategies have been developed for the seismic upgrading of school / educational buildings in the province. These strategies have been developed to capitalize on the research conducted at UBC in the development of the SRG2 performance-based methodology.

The Seismic Retrofit Guidelines, 2nd Edition (SRG2), supersedes the Seismic Retrofit Guidelines, 1st Edition (SRG1) that was released in September, 2011.

This workshop will review the SRG2 methodology and research fundamentals and will highlight SRG2 enhancements.

Attendees of this workshop will be able to confirm that they are trained in the use and application of the new Seismic Retrofit Guidelines, 2nd Edition (SRG2).

 www.apeg.bc.ca/Events/Events/13NOVSRG