

ACEC – British Columbia Annual Report 2018 ♦ 2019



ASSOCIATION OF CONSULTING
ENGINEERING COMPANIES
BRITISH COLUMBIA



Table of Contents

Association Profile	2
Our Vision	2
Our Mission	2
Core Values	2
Charter of Membership	2
ACEC-British Columbia Directors and Executive Committee	3
Chair’s Report	4
President’s Report	4
Minutes of the 2018 ACEC-BC Annual General Meeting	6
Regional Liaison Reports	
Thompson-Okanagan Liaison.	8
Committee Reports	
Building Engineering.	9
Metro Vancouver Liaison	9
MMCD Report	10
Municipal Engineering	10
Resource and Energy	11
Transportation	12
Business Practice	13
Membership Affairs	14
Professional Development	15
Human Resources.	15
Young Professionals’ Group	16
Small Firm Council	17
ACEC-Canada Year in Review	18
Events 2018-2019	19
Awards Road Show	19
Transportation Conference – <i>Moving at the Speed of Change</i>	20
Golf Tournaments	20
Event Sponsors	20
Awards for Engineering Excellence	21
2019 Meritorious Achievement Award	22
2019 Young Professional Award	22
2019 Client of the Year Award	23
Treasurer’s Report	24
ACEC-British Columbia 2018-2019 Organization Chart	25
ACEC-British Columbia Corporate Members	26
ACEC-British Columbia Associate Members	26
ACEC-British Columbia Client Members	26

Association Profile

The Association of Consulting Engineering Companies–British Columbia is the industry association representing the business interests of the province’s consulting engineering firms. Established in 1976, today the association represents 87 firms employing 9,500 people in British Columbia. Though consolidation continues in the industry through mergers and acquisitions, the number of member firms has increased over the past two years. The association is a non-profit organization and operates under the BC Societies Act.

Membership benefits range from gaining access to policy makers, to sharing intelligence with other members, and dealing with individual procurement issues as an organization, rather than an individual firm.

Our Vision

ACEC–British Columbia is recognized as the voice of the consulting engineering business in British Columbia, and the member firms are respected for the value of their contributions to society. We are called upon by all sectors of society to provide strategic advice on public policy matters and social welfare. Consulting firms are full participants in the activities of ACEC–British Columbia and provide their services on the basis of quality, value and fairness to all.

Our Mission

The mission of ACEC–British Columbia is to promote the business of British Columbia consulting engineering by enhancing our business and professional stature and to provide value to our clients while maintaining a commitment to public service and private enterprise.

Core Values

- ❖ integrity and ethical conduct
- ❖ public health, safety and welfare
- ❖ environmental stewardship
- ❖ professional respect for all members
- ❖ quality of service
- ❖ adequate compensation for services

Charter of Membership

The Charter of Membership was signed by member firms at the Annual General Meeting on June 4th, 2015. It is included in this year’s report as a reminder of members’ commitment to their professionalism. It includes the following statements:

1. Our company will support ACEC-BC through participation in its activities and adherence to its principles and policies.
2. Our company will relate to other members of ACEC-BC with integrity, and in a manner that will enhance the stature of consulting engineering, and the profession in general.
3. Our company will respect the majority view of ACEC-BC as expressed by its Board of Directors for the greater good of the industry.
4. Our company will not impugn the reputation or business of others.
5. Our company will actively encourage the selection of consultants based on qualifications.
6. Our company will offer its services at a price that reflects the value of the service, taking guidance from the ACEC-BC/APEGBC Fee Guidelines for Engineering Services.
7. Our company will respect the clientele of other members of ACEC-BC and will not attempt to supplant them when definite steps have been taken for their engagement.
8. When partnering for projects, our company will endeavor to select from other qualified ACEC-BC firms, and will follow the principles of qualification based selection and value based fees.
9. Our company will not engage in anti-competitive practices.

2018-2019 Elected Directors

Chair	Kevin Savage, P.Eng.	Tetra Tech Canada
Vice-Chair/Treasurer	Gurjit Sangha, P.Eng.	WSP
Secretary/Designated Director	Selena Wilson, P.Eng.	McElhanney
Acting Past Chair/ACEC Director	Tim Stanley, P.Eng.	Stratice Consulting
Director	Richard Bush, P.Eng.	Binnie Consulting
Director	Carol Campbell, P.Eng., PMP	WSP
Director	Mike Chin, P.Eng.	Klohn Crippen Berger
Director	Fred Cummings, P.Eng.	Hatch
Director	Derek Drummond, P.Eng.	Stantec
Director	Chris Mealing, P.Eng.	Mott MacDonald Canada
Director	Iain Ward, MStructE, C.Eng.	Wood
Director	Rodger Welch, P.Eng.	COWI
Director	Brian Yates	Stantec

2018-2019 Ex officio Directors

Associate Member Director/Membership Affairs	Jeff McLellan	BFL CANADA
Municipal Engineering Committee	Marc Winer, P.Eng.	Dillon Consulting
Ex officio Director	Suzanne Powell, P.Eng.	Thurber Engineering
Young Professionals Group	David Ellis, P.Eng.	McElhanney

2018-2019 Executive Committee



Kevin Savage, P.Eng.
Chair



Gurjit Sangha, P.Eng.
Vice-Chair/Treasurer



Selena Wilson, P.Eng.
Secretary/Designated Director



Tim Stanley, P.Eng.
Acting Past Chair



Caroline Andrewes
President & CEO

Chair's Report



Annual Report submitted by
Kevin Savage, P.Eng.
Chair of the Board of Directors

It has been a pleasure serving as Chair of the Board of ACEC-BC this year. I was fortunate to have plenty of support from the board and executives during this challenging year of change. Their leadership demonstrates continued integrity in every aspect of their work. We should all be proud of our industry and its performance.

ACEC-BC has undergone significant changes this year that would

not have been possible without the support and dedication of ACEC-BC staff and committee members. This year of change included the transition to a new president and changes to the regulations that we work under.

With the retirement of Past President Keith Sashaw last December, we undertook an in-depth and extensive search for a new ACEC-BC President. We reached out to many excellent candidates and were very fortunate to have found a highly qualified and solicitous leader to take on this challenging role. I know we all extend a warm welcome to Caroline Andrewes, President of ACEC-BC.

During the year, we maintained our effort on ACEC-BC goals with a focus on three key issues: increasing value for members, government relations and professional reliance. The year began with a campaign drive attempting to halt the government from replacing the long standing *Engineers and Geoscientists Act*. We may not have been successful in stopping the new *Act*; however, we are working towards influencing new regulations under the *Act*.

In the past, we maintained good relations with the previous government through successful and productive meetings with ministers, but since the change in government, we have struggled to receive recognition. Scheduled meetings were cancelled and invitations were declined. This year we continued our best efforts with the new government. We recently had a successful meeting with the Minister of Transportation and received positive follow-up communications. We are looking forward to the MLA Day scheduled for this fall where we can continue our efforts.

ACEC-BC continued with our traditional events and mixers this year that provide significant value to our members. The ACEC-BC staff, under the direction of our past and present Presidents, managed this challenge well and completed the year within a tight budget approved by the board. We strive to deliver value to our membership through the many programs ACEC-BC provides, such as client mixers, conferences, seminars, workshops and the Awards of Excellence Gala.

Our committees also carried forth their efforts with various mandates. Our business practice committee issued a position paper on engineers as the prime contractor, and, continuing with our pursuit of QBS and the onerous clause, YouTube videos were released on contract language. Discussion is also progressing on forming an

environmental sub-committee, which should be in place the following year.

It has been an honour to serve as Chair of this prestigious organization that would not be nearly as successful without the enormous contributions by Alla Samusevich, Brian McAskill and our president, Caroline Andrewes. Thank you for your expertise, energy and dedication to ACEC-BC.

Finally, thank you to all the board members, committee members and the many other volunteers that make ACEC-BC successful.

Respectfully submitted,



Kevin Savage
Chair of the Board of Directors
Association of Consulting Engineering Companies–British Columbia

President's Report



Annual Report submitted by
Caroline Andrewes
President & CEO

When I took the helm in January, I was fortunate to inherit an association of engaged members, knowledgeable volunteers, enthusiastic and organized Young Professionals, and an experienced team. The past year was an example of the fine leadership of my predecessor, whose vision and professional commitment to this association is evidenced in the work of the past year.

Policy

Proportional liability, and fair treatment of consulting engineers in civil suits was the focus of our first policy initiative in 2018 with an opinion editorial published in the Vancouver Sun. However, we shifted focus to governance following the June 2018 release of the independent Professional Reliance Review by the BC Government. With the government signalling their intention to introduce legislation with a focus on recommendations #1 and #2 – establish an office of professional regulation, and legislate elements of professional governance – ACEC-BC set to working with regulators and on behalf of members to advocate for fair application of new legislation. Our direct actions included:

- ❖ Event featuring ADM Jennifer McGuire from the Ministry of Environment and Climate Change Strategy to brief members on the outcomes of the report, and provide context on next steps.
- ❖ Letter to Minister Heyman outlining our position on report recommendations.

- ❖ Opinion editorial published in The Province publicly reinforcing our position.
- ❖ Member awareness campaign.

In October the BC government introduced Bill 49 – The *Professional Governance Act*, which ultimately will repeal the *Acts* of five professional regulators, aligning their governance under a single *Act* administered by the Office of Professional Regulation. In February we submitted a comprehensive response to the Regulations Intentions Paper Consequent to the *Professional Governance Act*. Subsequently we continue to monitor progress on the formation of regulations, to engage directly with the government where possible, and to maintain an open dialogue with the regulators.

Advocacy

Advocating for our members is core to our mandate and our vision to be the voice of the consulting engineering business in British Columbia. Our 2018 advocacy work continued to be underpinned by three principles:

- ❖ Transparent procurement practices based on Qualification Based Selection.
- ❖ Fair and balanced contract language for consultants.
- ❖ Support for responsible infrastructure development.

The BC government's 2018 budget focus on public policy and social welfare meant limited resources were committed to the province's infrastructure. While private developers continued to enjoy a rise in housing starts, they were wary that changes in residential taxation may slow the market. Court challenges, First Nations' blockades and citizen activism threatened BC's planned LNG infrastructure investment plans and pipeline expansion to both the north and south coasts. In short, there was no shortage of opportunity to advocate for responsible investment to support economic development, environmental protection and safe infrastructure for BC.

Over the course of the year we took every opportunity to work with stakeholders, clients and members to:

- ❖ Identify onerous clauses in consulting contracts to both members and clients.
- ❖ Educate clients and members on the value of QBS through use of the yes2QBS website, animated video and directed meetings with clients.
- ❖ Produce and release a three-part video series discussing common issues in consulting contracts.
- ❖ Advocate for accessibility for smaller firms in large scale procurement.

As advocates we communicate on behalf of all members, and we greatly benefit from shared experience to highlight challenges and advise on response. I want to personally thank those individuals who monitor and advise us as members of the onerous clause working group, and who serve on behalf of our members to advocate for fair practice on the Deputy Ministers & Industry Infrastructure Forum, the Master Municipal Construction Documents Association, and who work tirelessly together to advance fair and common language for provincial government contracts on the Consultant Agreement Working Group.

Engagement

A significant part of our work is direct engagement with members and member clients. Offering opportunities for professional development, to foster relationships with clients, other member companies and suppliers, and to raise the profile of member companies and their people is an important service. The ACEC-BC team takes great pride in our continued offering of high quality, well organized and accessible events across the province. In 2018 we hosted dozens of events to inform, connect and have a little fun. Highlights of the past year included:

- ❖ First graduating class from the ACEC-BC Leadership in Consulting Engineering certificate program.
- ❖ 14 client mixer events across the province, with more than 1,300 attendees.
- ❖ Over 500 attendees at our Annual Transportation Conference.
- ❖ More than 20 Young Professional events across the province, including the 2nd Annual Conference in Vancouver!

It has indeed been a busy 12 months, and the team and I are looking forward to taking some time to reflect over the summer about our offerings and how we might better serve members with offices outside the lower mainland.

It has been an honour to join this association, and represent the interests of our members. I very much look forward to continuing efforts to engage members, clients and other stakeholders to challenge convention and create a more equitable, diverse and competitive business environment for consulting engineering companies in BC. This work certainly would not happen without the uncompromising support of the Board of Directors and our many committees. However, it is the tireless ACEC-BC team – Alla, Brian, Maddy, Marcie, Luise, and Keith – who are the engine driving the ongoing success of our association and supporting our members' aspirations.



Caroline Andrewes
President & CEO
Association of Consulting Engineering Companies–British Columbia

Minutes of the 2018 ACEC-BC AGM

held Thursday, June 7th, 2018 (5:00 pm) at the Vancouver Rowing Club, 450 Stanley Park Drive, Vancouver, BC

1. Call to Order and Notice of Meeting

The meeting was called to order by Jeannine Martin. Keith Sashaw confirmed that a quorum was present.

Special guests were introduced: Kelly Scott, BC Road Builders; Danica Djurkovic, Architect AIBC LEED AP, AIBC; Cris Munro, CM2 Ventures; Caroline Andrewes, P.Eng. and Max Logan, Engineers and Geoscientists BC; Mark Ferguson, P.Eng., Metro Vancouver; Ralph Sultan, MLA West Vancouver-Capilano; and Lee Benish, Benish Consulting and Facilitation.

Past Chairs in attendance were recognized: Doug Hinton, P.Eng.; Neil Cumming, P.Eng.; Cathy Fritter, P.Eng.; Steve Fleck, P.Eng., MBA; Tim Stanley, P.Eng.; Mike Currie, P.Eng., FEC; Sid Siddiqui, P.Eng., FEC; Angus English, P.Eng.; Jack Lee, P.Eng., FEC; and Keith Robinson, P.Eng.

2. Minutes of Annual General Meeting of June 7th, 2017

Jeannine Martin presented the minutes of the previous Annual General Meeting, and asked if there were any questions about the minutes. As there were no questions, Tim Stanley moved that the minutes of the previous AGM be approved as presented. The motion was seconded by Ian Steele. The motion was adopted.

3. Annual Report 2016-2017

Keith Sashaw presented the annual report, and highlights of the President's report, including:

- ❖ There are currently 84 corporate members employing 9,000 people in B.C., 17 associate members and 6 client members. Following a decline in 2014, the industry is now seeing strong employment growth.
- ❖ Annual revenues for the consulting engineering industry in B.C. are about \$3.9 billion.
- ❖ Over 100 volunteers participate in 11 main line committees, doing important work. There is strong interest in different regions – Victoria, Kelowna, Prince George.
- ❖ We meet regularly with related organizations such as EGBC, AIBC and ASTTBC, and with major stakeholders such as BC-MOTI, BC Hydro, Metro Vancouver and TransLink.
- ❖ Events included 12 Mixers, 14 Professional Development and Policy Breakfast seminars, a number of YPG Professional Development/Networking events, the Transportation Conference, Awards Gala and social networking events, including 2 golf tournaments. Overall, events drew 3,200 participants.
- ❖ 2 MLA Day events were held - in February and November, with good attendance by MLAs and Ministers.
- ❖ Op-eds were published on a variety of topics, such as resource projects/LNG/pipelines, transportation, the George Massey Tunnel Replacement project, the 2018 Awards, Site C, the need for infrastructure funding, labour shortages, and proportional liability. The number of media impressions was close to 30 million.
- ❖ Our social media presence has increased – particularly on LinkedIn

- ❖ We presented several lunch & learn sessions on onerous clauses.
- ❖ The Leadership in Consulting Engineering Certificate program sold out all 25 seats in about 6 weeks.
- ❖ We worked with the EGBC Corporate Practice Task Force on corporate regulation.
- ❖ Emerging issues include:
 1. Political uncertainty at the Provincial level
 2. Skills shortages facing the industry
 3. Housing affordability issues making it difficult to recruit/retain staff
 4. Major projects facing vocal opposition
 5. Climate change presenting challenges and opportunities.

4. Treasurer's Report for 2016-2017

Kevin Savage presented the financial statements for the fiscal year ending March 31, 2018.

The ACEC-BC financial statements are independently audited by Wolrige Mahon LLP.

Revenues and expenses for the 2017-2018 fiscal year are:

Item	Actual	Budget	Variance
Revenue	\$1,115,460	\$1,047,700	\$67,760
Expenses	\$1,114,328	\$1,050,950	(\$63,378)
Net	\$1,132	(\$3,250)	\$4,382

Kevin noted that total employment numbers are increasing after declining the previous two years. A number of new corporate and associate members have joined ACEC-BC over the past year, which has had a positive effect on revenues. Our events attracted a large number of attendees. In particular, the Transportation Conference and Awards Gala were both very successful. The board has done a good job of diversifying revenue streams.

The 2018-2019 fiscal budget has been approved by the board. A small surplus is anticipated, with projected total revenues of \$1,149,100 and expenses of \$1,121,400 (not including amortization).

Kevin asked if there were any questions concerning the financial statements. As no questions were raised, Kevin asked for a motion that the 2017-2018 Financial Statements be approved as presented. So moved by Fred Cummings. The motion was seconded by Catherine Fritter. The motion was adopted.

Kevin asked for a motion that ACEC-British Columbia appoint *Wolrige Mahon LLP, Chartered Accountants* as the auditor for the 2018-2019 fiscal year. So moved by Richard Bush. The motion was seconded by Christian Babuin. The motion was adopted.

5. Special Resolution to Change the By-laws

Tim Stanley outlined proposed changes to the by-laws, and the reasons for making these changes, as described in a memo to Voting Members dated May 8, 2018.

At a strategic planning session in September 2017, the ACEC-BC board considered how to improve our outreach and visibility with important stakeholder groups outside of the consulting engineering industry. To this end, the board decided on the following actions that require changes to our current by-laws:

1. introduction of a new Client Member category, open to organizations that would normally be clients of ACEC-BC members. Client Members would be exempted from paying membership dues.
2. addition of two new positions on the ACEC-BC board of directors:
 - a. an Associate Member director.
 - b. an External "non-member" director.

These two new board positions are to be appointed from year to year. The External "non-member" director position is intended to be discretionary, and the board would not be required to make an appointment to this position should a vacancy arise.

The relevant changes in the proposed new by-laws (by by-law number) are as follows:

Clause	Description
2.2 (9)	Client members added.
2.4 (3)	Client members exempted from payment of membership dues.
6.3 (1) & (2)	Amended to increase the total number of directors to 19, including one director from amongst the Associate Members, and one "non-member" director, each appointed from year to year.

In addition to the changes noted above, a number of non-substantive changes are intended to improve the clarity and overall organization of the by-laws, and align with the new BC Societies Act which comes into full effect in November, 2018. Also note that the provisions of Part 8 – Directors' Duties, Conflicts & Indemnification in the current by-laws have been amalgamated into Part 6 – Board of Directors in the proposed new by-laws.

Special Resolution

Moved as a special resolution that the bylaws are rescinded, and replaced with the following: Draft by-laws, as distributed to Voting Members in the Notice of Special Resolution dated May 8, 2018 (available on request).

The resolution was carried by a unanimous vote.

6. Nominating Committee Report

Tim Stanley presented the report of the ACEC-BC Nominating Committee.

Four vacancies are opening on the board as the terms of Jeannine Martin; Mike Dickens, P.Eng.; John Sherstobitoff, P.Eng.; and Doug Redmond, P.Eng. come to an end.

Nominated as ACEC-BC Directors for four-year terms are:

- ❖ Mike Chin, P.Eng., Klohn Crippen Berger (Vancouver)
- ❖ Derek Drummond, P.Eng., Stantec (Kamloops)
- ❖ Chris Mealing, P.Eng., Mott MacDonald (Vancouver)
- ❖ Rodger Welch, P.Eng., COWI (North Vancouver)
- ❖ Brian Yates, SNC-Lavalin (Vancouver)

7. Election of Board of Directors

Tim Stanley noted, as the number of nominees does not exceed the number of available vacancies on the board, in accordance with the by-laws the nominees are declared to be elected.

8. Outgoing Chair's Remarks

Jeannine Martin noted that the board strategic planning session in September allowed us to build bonds as a board and identify key areas we want to focus on for this year.

Recognizing the commitment of time and money by members, we wanted to be sure we deliver value for membership.

Wanting to connect more with membership, a number of member contacts were assigned to each board member to facilitate engagement in issues/activities.

We identified the need for additional help in member firms navigating the new government, presenting a government relations training session prior to MLA day. The session was very well received.

An all-member meeting was organized, in conjunction with the annual Leaders Dinner. This event was very well attended.

We have partnered with other organizations to create a stronger voice in support of qualifications based selection (QBS).

The Leadership in Consulting Engineering Certificate program was established. Bonds formed through this program will serve us, and member firms in years ahead.

The Awards Gala was a great event. In order to enable participation by all members a new category was introduced in the competition – Projects Under \$2.5 Million.

Six new corporate members and four new associate members joined ACEC-BC over the past year.

Jeannine introduced and passed the gavel to incoming Chair Kevin Savage of Tetra Tech.

9. Incoming Chair's Remarks

Kevin Savage thanked the members for the honor of being able to serve the organization as the chair.

Value in membership can be found by getting involved and raising the important issues. We want to hear what the needs, wants and concerns are in our industry.

The board will meet in September to review the progress made over the past year, and set the agenda for the coming year.

We will continue with long running issues such as promoting QBS. We have seen some success in municipalities and the federal government on this issue.

We continue to work hard to encourage new corporate and associate members to join the organization.

We will continue to work collaboratively with EGBC on important issues.

We will continue to increase our influence with governments and work to achieve fair contract language.

We need to continue supporting the initiatives of the YPG to develop young consultants. The Leadership program that we have put together this year has been very well received and we need to continue this work to support the development of the next generation of leaders.

continued...

This past year has been fruitful with an effective MLA Day, the great success of the transportation conference and the many mixers and events. We had record numbers at the Gala and the evening was outstanding.

Kevin thanked Keith Sashaw and the ACEC-BC staff for their work. The staff organizes over 65 events a year which requires continuous commitment to keeping the programs rolling.

Kevin thanked Jeannine Martin and all the directors that served on the board this year. He commented that Jeannine's drive and enthusiasm is what made us achieve our accomplishments this year.

A gift was presented to outgoing Chair Jeannine Martin.

Kevin Savage and Jeannine Martin presented gifts to outgoing director John Sherstobitoff, P.Eng. and outgoing ACEC director Steve Fleck, P.Eng.

10. Other Business

Acceptance of Acts and Proceedings of the members of the ACEC-British Columbia Board of Directors

Kevin Savage asked for a motion *that all acts and proceedings of the directors of ACEC-British Columbia as exhibited by the minutes of the meetings of that body, held since the last meeting of the members of the association and all acts and proceedings taken, all payments made by or to the officers, agents or employees of ACEC-British Columbia under authority of or pursuant to any by-law, resolution, motion, instruction or direction contained in the by-law and minutes of the board of directors held subsequent to the last annual meeting of the members of the association, be, and the same are hereby ratified, approved and confirmed.*

So moved by Scott Campbell. The motion was seconded by Jeannine Martin. The motion was adopted.

11. Adjournment

Kevin Savage asked if there was any further business from the floor. There being none, he declared the 2018 ACEC-BC Annual General Meeting adjourned.



Thompson-Okanagan Liaison



Annual Report submitted by
Avi Thiessen, M.Sc., P.Eng., Co-Chair
Thompson-Okanagan Liaison Committee

The Thompson-Okanagan Liaison Committee continues to grow its relationship with the City of Kelowna. This year the City of Kelowna received the Client of the Year Award at the 2019 ACEC-BC Awards. Alan Newcombe, P.Eng., Director of Infrastructure for the City of Kelowna, received the Award on behalf of the City of Kelowna. The City have been very proactive in creating a collaborative relationship with the consulting engineering community which has resulted in the following key successes:

- ❖ Implementation of a qualifications-based selection (QBS) process for consultancy services.
- ❖ Participation in annual events with broad representation by City staff, promoting communication with the consulting engineering community;
- ❖ Consistency in consultant selection process throughout City departments;
- ❖ Improved engineering consultancy procurement practices;
- ❖ Development of mutually agreeable terms of reference for Request for Qualifications and Request for Proposals;
- ❖ Regular dialogue regarding upcoming projects and opportunities with the City; and
- ❖ Improved consultancy performance evaluation and debriefing processes.

The committee continues to meet with the City of Kelowna. Our most recent meeting was attended by Alan Newcombe, Brian Beach and Darren Tompkins of the City of Kelowna, and 14 ACEC-BC members. The focus was largely on the new QBS procurement process, with the City presenting their view on the implementation, followed by feedback from the committee. The City also gave a brief update on upcoming projects.

This fall the Thompson-Okanagan branch will host the 11th annual ACEC-BC Golf Tournament at the Harvest Golf Club. It is definitely worth the trip even if you are not from the Thompson-Okanagan.

Our local Young Professionals Group continues to be very active. At a YPG event in December, Keith Sashaw, Past President and CEO of ACEC-BC discussed the changes that have occurred over his 35 year career and what makes a good leader. In May the YPs held a breakfast event where David Gibson, P.Eng, discussed how to be a successful consultant. The YP group also hosted a ski trip to Big White and is having a Pub Night in June.

For the future, the Liaison Committee is looking to grow its connection with other local governments and continue to host events to connect the engineering community.

Thompson-Okanagan Liaison Committee Members

Avi Thiessen, P.Eng. (Co-Chair)	Sam King, P.Eng.
Greg Shaw (Co-Chair)	Donovan Klassen, EIT
Gerda Bolton, P.Eng.	Forrest Klotzbach, P.Eng.
Brad Colvey, Eng.L.	Shane Lapp, P.Eng.
Drew Crawford, P.Eng.	Mike Laverdiere
Dave Cullen, P.Eng.	Glenn Lohnes, ASCT
Don Daigneault	Diego Mandelbaum, P.Eng.
Brett deWynter, P.Eng.	Scott Martin, P.Eng.
Paul Ell, P.Eng.	Glen McRae
Alan Emery, P.Eng.	John Murray, P.Eng.
Mark Forsyth, P.Eng.	Brendan Murtagh, P.Eng.
David Gibson, P.Eng.	Mike Naylor, P.Eng.
Sheldon Gull, ASCT	Timothy Phelan, P.Eng.
Michael Hobson, Eng.L.	Jim Roe, ASCT
Stephen Horsman, P.Eng.	Glen Rutherford, P.Eng.
Gerald Imada, P.Eng.	Greg Shaw
Jim Kentel, P.Eng.	Robyn Sherstobitoff, P.Eng.

- ❖ Monitoring and providing input on AIBC/ACEC-BC/Engineers & Geoscientists BC issues (Codes, collaboration, fees and signing/sealing, etc).
- ❖ The committee is developing a working paper for member information and recommendations around building permit minimum requirements.
- ❖ The Building Engineering Committee will continue to work with architects and other groups to promote ACEC-BC members and the work of our engineering firms. The Committee has completed a thorough review of its strategic priorities for the years ahead.

Building Engineering Committee Members

Graham Lovely, P.Eng. (Chair)	
Fadi Ghorayeb, P.Eng., Struct.Eng., MStruct.E., FEC (Past Chair)	
Chris Anderson, P.Eng.	Clint Low, P.Eng., Struct.Eng., FEC
Samuel Arulnathan, EIT (YPG)	Karen Spoelstra,
Greg Ciura, P.Eng., Struct.Eng.	Andrew Tashiro, P.Eng.
Sarv Jahankhani, P.Eng.	Graeme Terris, P.Eng., C.Eng.
Karim Karimzadegan, P.Eng.	Jeff Verge, P.Eng.

Building Engineering Committee



Annual Report submitted by
Graham Lovely, P.Eng.
Chair, Building Engineering Committee

The ACEC-BC Building Engineering Committee represents member firms involved in building projects in both public and private sectors. The committee has strong links to the architectural profession in British Columbia.

ACEC-BC members look forward to continued activity on committees with the Architectural Institute of BC, BC Government Ministries and other industry-related agencies. The committee is engaging with and pursuing links with trade organizations as well, in an effort to bring all members of the building sector to the table.

The following disciplines are represented on the Committee:

- ❖ Structural Engineering
- ❖ Geotechnical Engineering
- ❖ Mechanical Engineering
- ❖ Building Science
- ❖ Electrical Engineering

The objectives of the Building Engineering Committee are to:

- ❖ Promote ACEC-BC core values. Promote ACEC-BC member firms' business interests to both public and private sector clients.
- ❖ Provide a forum for dialogue between the various client and architectural groups active in the field of Building Design.
- ❖ To monitor government and other groups' initiatives that impact on the Building Engineering Practice.
- ❖ Tackle industry relevant topics and bring these concerns to the wider membership of ACEC-BC.

The Committee's work during this past year included:

- ❖ Participation on the Public Construction Council.

Metro Vancouver Liaison Committee



Annual Report submitted by
Mike Charko, P.Eng.
Chair, Metro Vancouver Liaison Committee

The Metro Vancouver Liaison Committee represents member firms that provide engineering services to Metro Vancouver's departments in the areas of water, liquid waste, solid waste, housing, and parks. The objective of the Committee is to *provide an opportunity to discuss industry (ACEC-BC) and client (Metro Vancouver)*

issues in an open manner to continually improve the overall level of service and satisfaction by all parties. ACEC-BC and Metro Vancouver have a shared objective of ensuring the taxpayers of Metro Vancouver receive value for their upcoming multi-billion dollar infrastructure projects.

ACEC-BC can play a large part in helping to achieve the objectives identified in Metro Vancouver's *5-Year Outlook: 2019 – 2023*, by providing services for the essential upgrades to the region's capital projects that are vital to make our infrastructure more resilient to climate change and natural hazards, accommodate future population growth, and to meet federal requirements for mandatory secondary wastewater treatment.

In 2018-2019, the committee had regular meetings with the General Managers of Metro Vancouver's Liquid Waste, Water Services, and Solid Waste departments, which facilitated learning and information exchange with one another and proactively elevated key interests and issues. We also had regular and task-specific meetings with Metro Vancouver's Directors on several topics of mutual value to the consulting industry and Metro Vancouver including: improvements to the debrief process and review time for RFQ and RFP's, feedback from the engineering community on Metro Vancouver's practice of using prescribed hours in their RFP's, development of

guidelines for percentage completion for engineering milestones, and discussions on how the engineering community can best address Metro Vancouver's future needs. The 2019 Metro Vancouver Mixer had an attendance of 150 and was well received by ACEC-BC and MV delegates.

In the next 12 months, the Metro Vancouver Liaison Committee will continue to meet regularly with Metro Vancouver's senior staff to discuss potential items of interest that can be moved forward to task sub-committee action items, strive to complete the current task sub-committee action items and organize the 2020 Metro Vancouver Mixer.

Metro Vancouver Liaison Committee Members

Mike Charko, P.Eng. (Chair)	Arash Masbough, P.Eng.
Ali Azizian, P.Eng.	Michelle Maynard, P.Eng.
Angus English, P.Eng.	Greg McNeill, P.Eng.
Anthony Fuller, P.Eng.	Jessica Saunders, P.Eng.
Danilo Hajdukovic, P.Eng.	Jesse Unke, P.Eng.
Gabriene Kaechele, P.Eng. (YPG)	Roger van der Marel
Sunny Mangat, P.Eng.	Roger Warren, P.Eng.

endorsed by ACEC-BC. Green Design Guidelines were published in 2014 and updates to templates for data standards (Civil 3D-compatible), asset data transfer and storage were completed in 2017.

One challenge for universal documents is the addition of supplementary clauses which upset the balance of fairness among owners, contractors and consultants. Although supplementary specifications are critical to accommodate owner preferences and technological change, alterations which affect contract administration, including dispute resolution, are appearing with increasing frequency. Although the MMCD have not had any court challenges since inception in 1992, there are concerns that unbalanced clauses inserted by well-meaning owners will lead to more contract disputes. As a result, the MMCD has planned several initiatives:

- ❖ Changes to contract language in the new edition which clarifies potential grounds for disputes;
- ❖ An education initiative, aimed at municipalities, about the unwise addition of unbalanced contract language (a concern shared with the BC Road Builders);
- ❖ The introduction of specialized training in 2019 for potential MMCD Referees.
- ❖ Creating more YouTube videos on contract management for the "Contract Considerations" series.
- ❖ Refining and expanding the Asset Management Toolkit

MMCD Report



Annual Report submitted by **Carol Campbell, P.Eng., PMP** MMCD Director

The Master Municipal Construction Documents Association (MMCDA) was created in 1989 by the BC Road Builders and Heavy Construction Association, the Consulting Engineers of BC and the Municipal Engineers Division of Engineers and Geoscientists BC to create fair and equitable documents and practices for

for the municipal sector. Now, the association operates from the collective perspectives of Government, Consultants, Contractors, and Owners. ACEC-BC continues to work together with MMCDA on shared concerns, with two members sitting on the MMCDA Board of Directors.

The MMCD Tender Documents, Standard Specifications and Drawings are widely accepted and used throughout BC with over 90 municipalities using the documents on a regular basis. A range of design software compatible templates and software tools for municipal asset management, data transfer and asset registration are widely accepted as well. The MMCD also provides training programs for Contract Administrators, Construction Superintendents, Inspectors and Foremen on an annual basis. There are now 261 Certified Contract Administrators listed on the MMCD website.

Several volunteer committees manage the products and priorities for the MMCDA, including the Documents Committee (Civil and Electrical), the Marketing and Education Committee, the Asset Management Committee and the Referee Committee. Most committees have volunteer representation from the Consulting, Contracting and Local Government sectors.

A new edition of the basic MMCD products, comprised of Tender Documents, Standard Specifications and Drawings is scheduled for publication this year. The MMCDA Client/Consultant Agreement is

When registered as supporting members of MMCDA, consultants with ACEC-BC qualify for discounts on MMCD products and training. ACEC-BC members are among the most active sources of advice and suggestions for changes. This positive contribution is well recognized by the other MMCDA partners in municipalities, government and the consulting industry.

ACEC-BC Representatives on MMCD Board of Directors

Carol Campbell, P.Eng., PMP
Dieter Diedericks, P.Eng.

Municipal Engineering Committee



Annual Report submitted by **Yariv Ben-Shooshan, P.Eng.** Chair, Municipal Engineering Committee

The Municipal Engineering Committee represents member firms that provide engineering services to municipal and regional clients. The objectives of the Committee are to:

- ❖ Develop and maintain business relationships with municipal and regional clients.
- ❖ Promote QBS and standardized contract language.
- ❖ Represent members on specific procurement, contract language and other issues.
- ❖ Provide forums for client organizations to inform member firms of their expected needs for consulting services and for ACEC-BC to educate client organizations on the services and capabilities of member firms.

Highlights of the Municipal Engineering Committee's work included:

- ❖ Hosting the following Mixers:
 - Richmond/Delta
 - Burnaby/New Westminster
 - City of Langley, Township of Langley and White Rock
 - City of Surrey
 - City of Vancouver
 - Abbotsford, Chilliwack and Mission
 - A new Sea to Sky mixer was added this year with participation by the District of Squamish and the Resort Municipality of Whistler. The mixer was successful, and will be held every two years.
- ❖ Involvement in several specific procurement issues raised by member firms, resulting in correspondence from ACEC-BC to the relevant client organizations explaining concerns, recommending solutions and suggesting future practices.
- ❖ Participated in a workshop with the BC Road Builders and Regional Engineers Advisory Committee to voice concerns and discuss opportunities with the use of Master Municipal Contract Documents.
- ❖ Met with the City of Vancouver engineering, procurement and legal staff prior to issuance of request for prequalification of consulting engineering services, to discuss the benefits of qualifications based selection and best practices in procurement of consulting services.
- ❖ Participate and assist with the coordination of the MMCD-MED Joint Annual General Meeting.
- ❖ Application to conduct a clinic at the Union of BC Municipalities Convention in September 2019.

Planned work for next year:

- ❖ Meet with selected municipalities to present our recommendations for procurement and contract language.
- ❖ Conduct a clinic at the Union of BC Municipalities Convention regarding QBS.
- ❖ Address specific procurement and contract language issues as they arise.
- ❖ Meet with the BC Roadbuilders and Regional Engineers Advisory Committee on a bi-annual basis.
- ❖ Increase the number of municipal staff attendees at the mixer events (including young professionals).
- ❖ Host the following Municipal Mixer events:
 - Fraser Valley (Mission, Maple Ridge, Chilliwack)
 - Richmond/Delta
 - Burnaby/New Westminster
 - Township of Langley, City of Langley, White Rock
 - City of Surrey
 - City of Vancouver
 - Port Moody/Port Coquitlam/Coquitlam

Municipal Engineering Committee Members

Yariv Ben-Shooshan, P.Eng. (Chair)

David Moschini, P.Eng. (Vice-Chair)

Mike Charko, P.Eng. (Chair, Metro Vancouver Liaison)

Todd Bowie, P.Eng.

Colin Kristiansen, P.Eng.

Borg Chan, P.Eng.

Gagan Oberoi, P.Eng.

Adrian Corlett, P.E.

Raya Smertina, EIT (YPG)

Michael Florendo, P.Eng.

Negin Tousi, EIT

Simpson Hong, P.Eng.

Marc Winer, P.Eng.

Resource and Energy Committee



Annual Report submitted by

Patrick Korner, P.Eng., PMP

Chair, Resource and Energy Committee

Committee Objectives

1. Build a strong relationship with the resource and energy business sector, based on learning and information exchange with one another.
2. Proactively keep each other informed of interests and issues.
3. Promote the interests of ACEC-British Columbia member firms to resource and energy firms and government that use or can influence the use of our services.
4. Main focus is on BC Hydro and the BC Provincial Government with private firms only as need arises from our member firms.
5. Engage the Provincial Government in a proactive discussion to better utilize consulting engineers on projects involving the resource and energy sectors.

Committee Focus

BC Hydro forms a substantial component of the committee activities, in areas ranging from fostering better understanding of BC Hydro service requirements and standards, collaborative discussions on terms and conditions, and advocating for fair and equitable bidding opportunities for ACEC-BC member firms. In the past year, most committee activities have focused on information gathering and education related to pending changes to BC Hydro procurement methods.

The Committee continues to monitor and discuss opportunities and issues with the LNG industry, oil & gas pipeline developments, and the mining sector.

Contact with the Provincial Government remains of interest to both encourage continued growth of the resource and energy sector, but also to understand what role ACEC-BC member firms may be able to play in helping to shape government regulation of parts of the industry.

BC Hydro Steering Committee

The steering committee seeks to improve business results between the consulting engineering profession and BC Hydro through sharing and learning of each other's business practices and desired business goals by:

1. Building a strong relationship based on learning and information exchange between each other.
2. Broadening the discussion between ACEC-BC and BC Hydro to encompass all areas of BC Hydro engineering business units – generation, distribution, transmission, sustainability/environmental, power smart and issues that improve the overall consulting engineering profession.

3. Having open and frank discussions on what works and does not work with respect to project implementation and provision of consulting engineering services.
4. Proactively keeping each other informed of business interests and issues.
5. Maintain and enhance interactions with BC Hydro and strive for improved efficiency of ACEC-BC member services.

In 2018-2019, this mandate was largely supported by the ACEC-BC/BC Hydro Procurement Sub-committee.

ACEC-BC / BC Hydro Procurement Sub-committee

Chaired by Bruno Bagnères, the sub-committee seeks to:

1. Assist BC Hydro in any way possible in making it easier to engage consultants so that BC Hydro can realize its business objective.
2. Address any ongoing issues or concerns with RFPs, RFSQs, RFQs, interaction during bidding process and consultants preparation for proposal submission.
3. Collect any comments from ACEC-BC members on contract terms and conditions, project implementation and BC Hydro procedures that impact on members delivering value for money on their consulting services provided to BC Hydro.
4. Providing feedback to BC Hydro on what works well and what does not for improvement in the future.

In 2018-2019, the procurement sub-committee was active in advocating for ACEC-BC member firms during ongoing BC Hydro procurement programs.

Mining Sub-committee

Chaired by Lara Reggin, the sub-committee seeks to identify issues of concern with mining industry groups and provide input on best practices, mining standards, and fair procurement practices for consulting engineers and legislative issues involving the mining industry.

This sub-committee was inactive in 2018-2019.

2018-2019 Committee/Sub-committee Activities

- ❖ Committee meetings held throughout the year via teleconference.
- ❖ Input and support to overall ACEC-BC advocacy efforts.
- ❖ Liaison with EGBC and Provincial government on issues of professional reliance.
- ❖ Dialogue with resource sector firms to encourage engagement.

Resource & Energy Committee Members

Patrick Korner, P.Eng. (Chair)

Dani Delaloye, P.Eng. (Assistant Chair and YPG Representative)

Bruno Bagnères, P.Eng. (Chair, BCH Procurement Sub-committee)

Lara Reggin, P.Eng. (Chair, Mining Focus Sub-committee)

Travis Brown, P.Eng.

Ryan Mills, P.Eng.

C Cee Chan, P.Eng.

David Rupay, P.Eng.

Catherine Fritter, P.Eng.

Shawn Smith, P.Eng.

Scott Fulton, P.Eng.

Adam Solheim, P.Eng.

Peter Leekha, P.Eng.

Pat Stancombe, P.Eng.

Greg McNeill, P.Eng.

Paul Wilson, P.Eng.

Chris Mealing, P.Eng.

Transportation Committee



Annual Report submitted by
Fred Cummings, P.Eng.,
Chair, Transportation Committee

The ACEC-BC Transportation Committee continues to provide strong representation through a number of Committees and Sub-committees to the transportation industry including:

- ❖ BC Ministry of Transportation and Infrastructure (TRAN) Joint Liaison Sub-committee
- ❖ TransLink Liaison Sub-committee
- ❖ Bridge Sub-committee
- ❖ Climate Change Policy Sub-committee
- ❖ Quality Assurance Sub-committee
- ❖ eRISP Sub-committee

Transportation Infrastructure spending has and will continue to play an important role to member firms and the overall BC economy going forward. The Transportation Committee is focused on enhancing the relationship between Industry and the various organizations within BC, tasked with planning, delivering and managing this infrastructure.

This past year we have once again seen a high level of engagement through the annual Transportation Conference, mixers and ongoing dialogue between numerous private and public organizations. The Transportation Conference that was held on January 31, 2019 was the largest to date with 485 delegates, and plans are underway for next year's conference. Progress in several areas has been made:

- ❖ eRISP Sub-committee was established to determine how the procurement of engineering service through RISP could be improved. The BC Ministry of Transportation and Infrastructure (TRAN) planned to improve eRISP with a future update; however, funding for updating eRISP was not approved by the government. The eRISP Sub-committee was subsequently disbanded and the procurement of engineering services through RISP will be monitored and discussed at the TRAN Joint Liaison Committee-at-large meetings that are open to all consultants.
- ❖ The reporting of assignments awarded through eRISP has been improved. ACEC-BC is discussing with TRAN how to improve the reporting of BC Bid assignments.
- ❖ To promote succession and knowledge transfer an ACEC-BC young professional will be invited to participate in the Joint Liaison Committee Meetings with TRAN.
- ❖ Climate Change Adaptation: The EGBC practice guide *Developing Climate Change-Resilient Design for Highway Infrastructure in British Columbia (Interim)* was released. The practice guide will be reviewed in 2019, and the final version will be released after the review. TRAN issued a new *Technical Circular T-04-19 - Resilient Infrastructure Engineering Design - Adaption to the Impacts of Climate Change and Weather Extremes*, that supersedes Technical Circular T-06/15 – *Climate Change and Extreme Weather Event Preparedness and Resilience in Engineering Infrastructure*

Design. ACEC-BC is working with TRAN to improve knowledge and provide training on how to prepare climate change resilient designs.

- ❖ Bridge Discipline Sub-committee: This sub-committee has met with TRAN and topics of discussion have included the following: As-and-When contracts and how they are managed; increased collaboration with road-builders; climate change; upcoming guidelines and seismic performance criteria; discussion on the use of Building Information Modeling software and its applicability to bridge projects; succession planning and inviting an ACEC-BC young professional to future Bridge Sub-committee meetings.
- ❖ Initial discussions with TRAN on comments received from consultants on TRAN contract language and Professional Liability Insurance requirements were initiated. An ACEC-BC Contracts and Insurance Sub-committee was created to meet with TRAN and report back to ACEC-BC at the Committee-at-large meetings.
- ❖ TRAN has approached ACEC-BC to replace the *Quality Management Accord* as agreed to between the TRAN and ACEC-BC with an agreement based on Organizational Quality Management Program. ACEC-BC will discuss this proposal at the Committee-at-large meetings.
- ❖ A new TRAN Liaison Sub-committee was elected at the April 2, 2019 Committee-at-large meeting. The New TRAN Liaison Sub-Committee is listed below.
- ❖ Prime Contractor Responsibilities on Consultant Contracts: TRAN will require consultants to assume Prime Contractor role and ensure WorkSafe BC requirements are satisfied on design assignments. ACEC-BC is working with TRAN to better define when and how a consultant will perform the duties of Prime Contractor.
- ❖ The ACEC-BC TransLink Committee has met on a quarterly basis to discuss procurement, insurance, and other issues pertinent to ACEC-BC member firms. Meetings have been productive.
- ❖ TransLink continued to roll out their new procurement management system, SAP ARIBA Strategic Sourcing.
- ❖ Phase One of TransLink's 10-Year Vision funded approximately \$2 billion in expanded transit services, transit infrastructure and improvements for roads, cycling, and walking, beginning in 2017. Phase Two is currently in development and would fund an estimated \$7.3 billion of transportation improvements in the 10-Year Vision.

TRAN (BCMoTI) Liaison Steering Committee

Paul Evans, P.Eng. (Chair)	Efrosini Drimoussis, P.Eng.
Christian Babuin, P.Eng. (Secretary)	Grant Irving
Maurizio Ponzini, P.Eng. (Past Chair)	Ron Lee, P.Eng.

TransLink Liaison Steering Committee

Bernard Abelson, P.Eng. (Chair)	Aled Griffiths, P.Eng.
Martin Jobke, P.Eng. (Past Chair)	Ian Rokeby, P.Eng.
Mike Chin, P.Eng.	Peter Senez, P.Eng.

Business Practice Committee



Annual Report submitted by
Frank Liu, P.Eng.
Chair, Business Practice Committee

The purpose of the Business Practice Committee is to:

- ❖ Monitor emerging issues that affect the business interests of member firms;
- ❖ Prepare position statements and informative documents focused on improving business interests of member firms; and
- ❖ Work with key client groups to improve business relationships.

The key accomplishments of the committee for the past year include:

- ❖ 2019 ACEC-BC Engineering Fee Guidelines review and update and posting on ACEC-BC website;
- ❖ Further refinement and evaluation of the Relationship Based Consultant Selection Process paper (in progress).
- ❖ Engineers as Prime Contractor Under Workers Compensation Act position/awareness paper (in progress).

Ongoing committee initiatives include:

- ❖ Annually update the ACEC-BC Engineering Fee Guidelines.
- ❖ Rolling out of Engineers as Prime Contractor Under Workers Compensation Act position/awareness paper and to provide support information sessions. Intention to set up briefing seminar with representatives from pertinent stakeholders, these sessions are expected to be held in summer/fall 2019.
- ❖ Coordinate the update of Budgeting Engineering Services Guidelines for Buildings document with the Building Engineering Committee.
- ❖ Maintain liaison with MMCD, EGBC Consulting Practice Committee and YPG.
- ❖ Continue to get further understanding of Corporate Regulation / Professional Reliance.

Future initiatives may include position papers on:

- ❖ Identify Alternate Project Delivery (such as design-build, design-build-finance and other models) issues such as estimation of engineering fees, intellectual property rights, liabilities and other risks.
- ❖ Explore options for other discipline specific versions of the ACEC-BC Engineering Fee Guidelines.

Business Practice Committee Members

Frank Liu, P.Eng. (Chair)	Steve Croxford, P.Eng.
Umar Alfaruq, P.Eng., PMP	Mike Dickens, P.Eng.
Jeremiah Boucher, P.Eng.	Suki Gill, EIT (YPG)
Kelvin Carey, P.Eng.	Kip Skabar, P.Eng.
Brian Chatwin, P.Eng.	Alyse Wilkinson

Membership Affairs Committee



Annual Report submitted by
Jeff McLellan
 Chair, Membership Affairs Committee

The primary purpose of the Membership Affairs Committee is to help ensure that the ACEC-BC continues to grow as an organization. From helping keep the value proposition relevant to focusing efforts on recruitment of new members 2018-2019 has been a good year. There are now 17 Associate Members and the committee members are always looking

for new companies that might be interested in joining. Last year saw the introduction of the Client Member category which was a concept strongly supported by the committee. Since launching this new category of membership we now have seven Client Members and are looking to grow this number significantly in the coming year. We saw a slow down on acquisitions by global firms this past year and saw many member firms who have grown from last year.

The benefits of membership and Member Savings Program are of paramount importance to the committee. If you have any ideas or suggestions that could improve what you believe the ACEC-BC should be offering members in so far as programming, events or benefits please contact us as we would like to hear from you.

The Membership Affairs Committee meets to discuss specific items that members believe can help the organization and our member firms. We are always looking to support the efforts of other ACEC-BC committees and ensure that ACEC-BC events are successful – our committee could benefit from a few additional members moving forward.

For the 2018-2019 year, ACEC-BC welcomes the following new Corporate Members:

- ❖ BGC Engineering Inc.
- ❖ GeoWest Engineering Ltd.
- ❖ GHD Limited
- ❖ Kontur Geotechnical Consultants Inc.
- ❖ Onsite Engineering Ltd.
- ❖ RAM Consulting Inc.
- ❖ Senez Consulting Ltd.
- ❖ TWD Technologies Ltd.

For the 2018-2019 year, ACEC-BC welcomes the following new Associate Members:

- ❖ Clark Builders
- ❖ Flatiron Constructors Canada Limited

For the 2018-2019 year, ACEC-BC welcomes the following new Client Member:

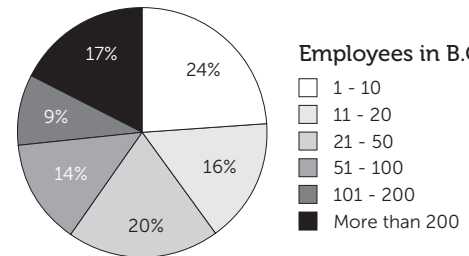
- ❖ City of Maple Ridge

Committee Members

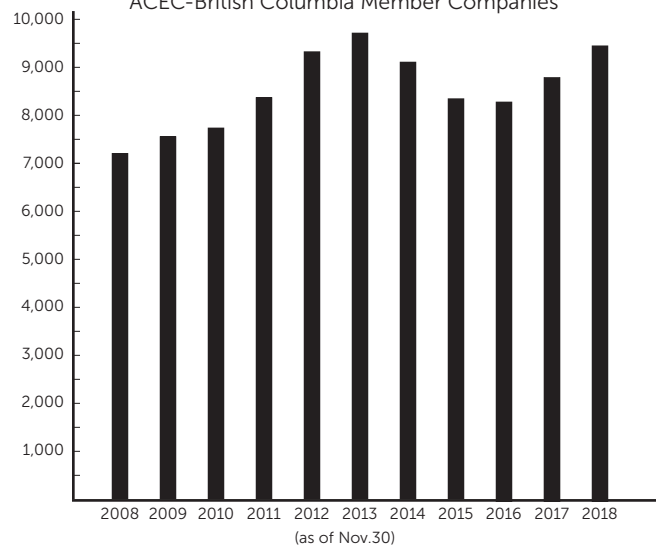
Jeff McLellan (Chair)
 Trevor McKenzie, P.Eng. (YPG)

Monika Minar
 Marc Winer, P.Eng.

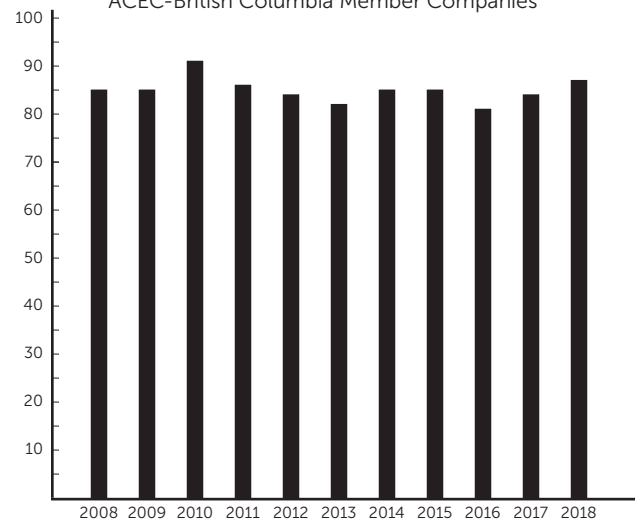
Profile (percentage of firms) by Total B.C. Employment
 ACEC-British Columbia Member Companies



Total B.C. Employment
 ACEC-British Columbia Member Companies



Total Number of Corporate Members
 ACEC-British Columbia Member Companies



Professional Development Committee



Annual Report submitted by
Dieter Diedericks, PMP, P.Eng., Chair
Professional Development Committee

The Professional Development Committee exists to promote the ongoing professional development of staff of ACEC-BC member firms.

The functions of the Committee include:

1. Develop a professional development program including a professional development framework for ACEC-BC Member Firms coordinated with what is provided at the Young Professionals level.
2. Support in-house PD programs.
3. Liaise with the Engineers & Geoscientists BC CPD Committee.

ACEC-BC delivered a successful program of Professional Development events this past year, including:

- ❖ Navigating Difficult Conversations
- ❖ Contract Language
- ❖ Financial Statement Analysis for the Non-Accountant
- ❖ Time Management
- ❖ Performance Benchmarking
- ❖ Business Development for Engineers
- ❖ Effective Business Communications

The Committee also supports ACEC-BC's Leadership in Consulting Engineering Certificate Program. The program was launched in April 2018, and is again offered in 2019.

The Committee is planning the following topics for the 2019/2020 season:

- ❖ Navigating Difficult Conversations
- ❖ Contract Language
- ❖ Financial Statement Analysis for the Non-Accountant
- ❖ Building the Best Team: Recruitment
- ❖ Building the Best Team: Retention
- ❖ Leadership: Core Skills Development
- ❖ Safety themed presentation
- ❖ First Nations Engagement

We always welcome member feedback on meeting topics, format and venues to help develop a program of events that connect with members' needs.

Committee Members

Dieter Diedericks, P.Eng. (Chair)	Arman Shahnaz, PMP, EIT (YPG)
Scott Campbell, P.Eng.	Tijana Smiljanic, P.Eng.
Belinda Graham, PMP	Meena Venkataraman, P.Eng.
Tyla Hay (HR Representative)	Selena Wilson, P.Eng.
Saqib Khan, P.Eng.	

Human Resources Committee



Annual Report submitted by
Sharon Batchelor
Chair, Human Resources Committee

Note: Mid-year 2018, Cindy Shaw stepped out of Committee and Sharon Batchelor stepped in as Chair. In early 2019, Polina Kouzmina agreed to take on the role of Vice Chair for the upcoming term.

The ACEC-BC Human Resources (HR) Committee provides a forum for the exchange of information on issues involving employees in the consulting engineering sector. Throughout 2018, the Committee met five times. The topics covered, either as group discussions or presentations from external organizations, included:

- ❖ Updating the HR Committee Mandate and providing input to the HR page on the ACEC-BC website,
- ❖ ACEC-BC firms participation in the annual CEA WCBC Salary Survey,
- ❖ Development of a list of co-op program contacts,
- ❖ Development of a list of available education grants,
- ❖ An information session from the Immigrant Employment Council of BC,
- ❖ Information related to the impact of the BC Employer Health Tax
- ❖ Sharing of Aboriginal engagement initiatives,
- ❖ An information session on knowledge transfer activities,
- ❖ Initiatives to assist with skills shortages in BC,
- ❖ Discussions on the success of working from home programs, life style offices and other solutions to deal with BC's rising cost of living, and
- ❖ The possibility of an offshore recruiting mission

In addition, the Committee provided support to the following ACEC-BC initiatives;

- ❖ The Leadership in Consulting Engineering Certificate Program,
- ❖ Panelist for the Annual General Meeting, and
- ❖ Speakers and programs for the Young Professionals breakfast sessions and conference

The Committee also supported and worked closely with its' Equity, Diversity and Inclusion (EDI) Sub-committee. In 2018 the EDI Sub-committee/YPG hosted an Unconscious Bias breakfast seminar and a Business Case for Diversity panel discussion at the ACEC BC AGM. The sub-committee also established an informal partnership with EGBC to provide diverse mentors for EG BC mentorship program as needed.

Early in 2019, the HR Committee surveyed its members to determine what activities would be appropriate for 2019–2020. The results to the 16 questions asked will help determine the agenda items and course of actions related to the structure of the committee, its membership, where and when meetings will be held and what sub-groups the Committee will work with and support.

The HR Committee currently has members representing 17 ACEC-BC member companies.

Committee Members

Sharon Batchelor (Chair)

Polina Kouzmina (Vice-Chair)

Colleen Beresford

David Poon

Elaine Chong

Tim Stanley

Arthur Docherty

Amy Tsou

Rita Gareb

Parinaaz Udawadia

Tyla Hay

Ken Wiecke

Victoria Kilpatrick

Christina Zimmerman

Stacey Kons

EDI Committee Members

Samuel Arulnathan (Coordinator)

Cheryl Gomes

Meena Venkataraman

Tyla Hay

Ken Wiecke

Victoria Kilpatrick

Matthew Williams

Arash Masbough

The HR Committee meetings are open to all ACEC-BC members. Anyone interested in learning more about upcoming events and meetings should email sbatchelor@klohn.com.

Young Professionals Group



Annual Report submitted by
David Ellis, P.Eng.
Chair, YPG Provincial Steering Committee

Mission Statement

"To promote and empower the development of Young Professionals' careers in the Consulting Engineering Business"

The ACEC-BC Young Professionals' Group (YPG) Steering Committee is comprised of 48 of British Columbia's brightest young professionals. We are organized into an overarching provincial committee, our regional subcommittees (based out of the Lower Mainland, Vancouver Island, Okanagan, Prince George and Kamloops), a conference planning committee, and representatives on each of ACEC-BC's main line committees.

With support from ACEC-BC staff, the YPG Steering Committee enthusiastically planned, delivered, and supported a number programs and services that strengthened ACEC-BC connections with hundreds of young professionals, students (both post-secondary and elementary-age), and members of the public. These events were summarized and showcased in quarterly newsletters published by the YPG. They included:

The Third Annual YPG Conference

Held on May 23 and 24, 2019, this year's YPG Conference was themed *Increasing Your Impact* and was a great success – attracting over 110 YPs from throughout the province.

Breakfast Seminars

- ❖ 30 Bosses in 30 Years (Lower Mainland and Okanagan)
- ❖ 2019 Economic Outlook for BC (Lower Mainland)
- ❖ First Nations Consultant on Major Projects (Northern)
- ❖ The Importance of Building Professional Relationships (Lower Mainland)
- ❖ Value-Driven Career Planning (Lower Mainland)
- ❖ Choosing a Path: Technical Specialist or Management (Vancouver Island)
- ❖ Climate Trends, Impacts, and Projections (Northern)
- ❖ How to be a Successful Consultant (Okanagan)

Networking Events

- ❖ Lions Game Social with BCIT Students (Lower Mainland)
- ❖ Pub Social & Networking (Vancouver Island, Lower Mainland, and Northern)
- ❖ Billiards Pub Night (Vancouver Island)
- ❖ Big White Ski Night (Okanagan)
- ❖ Trivia Night with SEABC (Lower Mainland)
- ❖ Prince George Mixer (Northern)
- ❖ Axe Throwing Night (Vancouver Island)
- ❖ Curling Night (Lower Mainland & Northern)
- ❖ YPG and PIBC YP Networking Mixer (Lower Mainland)
- ❖ Phillips Tasting Room Social (Vancouver Island)
- ❖ YPG and CBA BC Young Lawyers Group: Whisky Tasting Mixer (Lower Mainland)

Participation in Student Outreach Events

- ❖ **BCIT:** 'Panel & Pub' industry connection event; CSCE Professional Night; EGBC Industry Night (both semesters)
- ❖ **UBC:** EGBC Industry Night (both semesters)
- ❖ Active participation and recruitment for the **UBC** Tri-Mentoring Program and started getting involved with the BCIT mentorship program

Participation in Community Events

- ❖ Great ACEC-BC Scavenger Race, Supporting **United Way**
- ❖ Chip-in-the-Bin and 50/50 at ACEC-BC Golf Tournament, Supporting **Science World**
- ❖ **Science World** Summer Camps
- ❖ Will participate in the **Richmond Food Security's** Fruit Recovery Program

ACEC-BC member firms should be incredibly proud of what has been accomplished this year by the YPs who volunteer. This is a team of highly motivated, organized, and energetic young professionals, who are tirelessly dedicated to promoting and empowering the development of themselves and other young professionals in the consulting engineering business. I would like to thank the ACEC-BC staff who continue to provide significant support, as well as all of this year's volunteers.

2017-2018 YPG Provincial Steering Committee

Chair:	David Ellis, P.Eng.
Vice-Chair:	Dani Delaloye, P.Eng.
Past Chair/ACEC YPN Rep:	David Marchand, P.Eng.
Communications:	Kevin Leggett, P.Eng.
PD/Education:	Ray Smertina, P.Eng.
Equality/Diversity/Inclusivity:	Cheryl Gomes, EIT
Conference Co-Chairs:	Dani Delaloye, P.Eng. Katherine Miller, EIT
Lower Mainland:	Katherine Miller, EIT
Vancouver Island:	Colin Davis, P.Eng.
Okanagan:	Robyn Sherstobitoff, P.Eng.
Northern Group:	Robert Teetaert, Eng.L., ASCT

2017-2018 YPG Committee Representatives

Municipal Engineering	Raya Smertina, P.Eng.
Metro Vancouver Liaison	Cheryl Gomes, EIT
Business Practice	Suki Gill, P.Eng.
Transportation	Pia Abercromby, P.Eng.
BCMOTI Joint Liaison	Kevin Leggett, P.Eng.
BCMOTI Bridge Liaison	David Ellis, P.Eng.
TransLink Liaison	Katherine Miller, EIT
Building Engineering	Samuel Arulnathan, EIT
Resource and Energy	Alex Shepard, EIT
Membership Affairs	Trevor McKenzie, P.Eng.
Professional Development	Arman Shahnaz, EIT
Human Resource	Annie Stancheva, P.Eng.
Small Firm Council	Jeff Vanden Eerenbeemt, P.Eng.

Lower Mainland Sub-committee

Katherine Miller, EIT (Chair)	Pia Abercromby, P.Eng.
Sonny Bharaj, EIT	Sara Viaje, EIT
Kristina Kwong, EIT	Nate Leung, EIT
David Marchand, P.Eng.	

Vancouver Island Sub-committee

Colin Davis, P.Eng. (Chair)	Taylor Wheeler, EIT
Brandon Johnson, EIT	Eric Neil, EIT
Max Scruton, P.Eng.	

Okanagan Sub-committee

Robyn Sherstobitoff, P.Eng. (Chair)	Steven Cheek, P.Eng.
Donovan Klassen, EIT	Gaurav Ahuja
Justin VannPashak, EIT	Josh Hewitt
Jasmine Smith, EIT	Jordan Beach, P.Eng.
Lucas Thayer, EIT	Luke Dempsey, P.Eng.
Siavash Farazman, P.Eng.	

Northern Group Sub-committee

Robert Teetaert, ASCT (Chair)	David Gerein, P.Eng.
Will Eisbrenner, P.Eng.	Sidney Roy, EIT
Kendrick Carnes, P.Eng.	Andy Pustina

YPG Conference Sub-committee

Katherine Miller, EIT (Co-Chair)	Pia Abercromby, P.Eng.
Dani Delaloye, P.Eng. (Co-Chair)	Brett Oystensen, EIT
Amy Russell, EIT	Parham Joulani, EIT
Prabeen Joshi, EIT	Rebeka Brykajlo, EIT
Glenn McIntyre, EIT	Afzal Waseem, P.Eng.
Raya Smertina, P.Eng.	

Small Firm Council



Annual Report submitted by
David Collings, M.Sc., PMP
Chair, Small Firm Council

Small firms continue to play a vital role in the engineering industry. Especially as business consolidation reduces the number of consulting firms providing engineering services, clients are turning to small firms to fill critical project roles.

The Small Firms Council is a forum for boutique and niche focused companies

to interact, compare notes, collectively address industry challenges, and learn from our collective experiences. We meet at least quarterly and discuss specific important topics, usually with a presentation by a subject matter expert. This past year included the following topics:

- ❖ EGBC's OQM for Small Firms
- ❖ Prepared a Business Software Survey
- ❖ Workshops on which technologies (accounting, computer software etc.) are working well for small firms, and which are not. An example of this was a presentation on Ajera accounting software, and its advantages over Quickbooks.
- ❖ Introduction of new ACEC-BC President Caroline Andrewes, who provided an overview of the *Professional Governance Act* and related regulatory issues.

Next year we plan to discuss a number of interesting topics, including:

- ❖ Continued focus on effective systems and tools for small engineering firms, including short presentations from committee members on choosing and using software.
- ❖ Providing a voice for small firms;
- ❖ Surviving new regulations;
- ❖ Enforceable contracts and collecting fees; and
- ❖ Any new topic that is requested by the members.

Last year's Awards of Excellence added a new category for projects under \$2.5 million in construction cost to attract more interest from small firms. This category again attracted excellent applications from several small firms showcasing technical excellence and innovation.

If you are interested in joining, come on out. We let you define if you qualify as "small". So, if you are a niche company, growing, or are interested in joining a group with similar experiences, come on out!

Members of the Small Firm Council

David Collings, M.Sc., PMP (Chair)	Jeff McLellan
Mark Anderson, P.Eng., Struct.Eng.	Hana Prilesky, P.Eng.
Philip Buchanan, P.Eng.	Jerry Prilesky, CTech
Brian Chatwin, P.Eng.	Karen Savage, P.Eng.
Colin Commandeur, P.Eng.	Morris Signorelli
Jeremy Cooke, P.Eng.	Tim Stanley, P.Eng.
Jeff Vanden Eerenbeemt, P.Eng. (YPG)	Ross Tuck, P.Eng.
Daniel Fung, P.Eng.	Julian Vasquez, P.Eng.
Brett Halicki, P.Eng.	Trevor Whitney, P.Eng.
Jatinder Hayer, P.Eng.	

ACEC 2018 Year in Review



Annual Report submitted by
John Gamble, P.Eng.
President, ACEC

ACEC is the voice for consulting engineers on Parliament Hill

Over the course of the last year, ACEC worked diligently for a more favourable public policy and business climate for consulting engineering companies in all sectors and by extension for all Canadians.

We did this by influencing the federal government and collaborating with national stakeholders on a host of issues to help make Canada competitive and prosperous. ACEC's team is proud of the important work it has accomplished over the past year. Here's a snapshot of what we achieved in 2018.

Timely Infrastructure Investments & Free Trade

Infrastructure investment delays and how to address them was the primary message ACEC President & CEO John Gamble carried to Parliament Hill when meeting with Parliamentarians. In the spring, Mr. Gamble testified to the House of Commons Standing Committee on Transport, Infrastructure and Communities on the importance of sustained financial commitments, the government's infrastructure plans, and outlined a series of recommendations that would improve its implementation. It was the message he also delivered to the Minister of Infrastructure and his senior policy advisors during face to face meetings in the late winter and early spring. This message became a core piece of ACEC's submission to the Finance committee in our pre-budget submission in August.

We also shared our knowledge and expertise of infrastructure development with the President and CEO of the Canada Infrastructure Bank Pierre Lavallée during an introductory meeting. ACEC further strengthened its relationship with the Bank when its Chair of the Board, Janet Fukakusa, shared her vision for the Bank during a fire side chat at our October national leadership conference. The year ahead will be an opportunity to strengthen this new relationship to ensure the interests of the consulting engineering sector, and all Canadians, are top-of-mind as the Bank identifies investors and projects that it will finance

ACEC continued to collaborate with the Canadian Chamber of Commerce (CCC) on ensuring the government is aware of the need for Canada to remain competitive on the world stage. ACEC also joined the Chamber led Coalition to Keep Trade Free, formed over the summer during the NAFTA renegotiations to address the ongoing trade uncertainties. The Honourable Perrin Beatty, President and CEO of the CCC, provided a thought-provoking opening keynote address at the ACEC national leadership conference on Canada's competitiveness on the world stage. With the federal election expected next fall, we will continue to collaborate with the Chamber on trade and issues that impact the delivery of major resource projects.

Moving the Yardstick on Qualifications Based Selection

After years of advocacy by ACEC and the Provincial /Territorial Associations for QBS when procuring consulting engineering services, our efforts resulted in a breakthrough. Public Services and Procurement Canada (PSPC) launched a Qualifications Based Selection (QBS) pilot project following consultation with industry. ACEC, along with the Royal Architecture Institute of Canada (RAIC), worked with PSPC for several months to familiarize key leaders within the federal government on the many benefits of QBS. In recognition of its leadership within the federal government and openness to QBS, the PSPC team was awarded the 2018 Chair's Award at the Canadian Consulting Engineering Awards.

ACEC also joined with Consulting Engineers of Alberta in helping finance a national study by the University of Alberta that will quantify the benefits of QBS using a database that once completed will be accessible to all levels of government. We believe the results of this work will encourage more jurisdictions to follow PSPC's lead in adopting QBS. It will also help support converting current QBS pilot projects into long term procurement policy for clients.

Responsible Resource Development

Our message to Canadians and Members of Parliament on resource development was twofold. First, accessing Canada's natural resources and transporting them to market would create enormous economic opportunity. Secondly, consulting engineers can help the resource sector be economically viable as well as socially and environmentally responsible. ACEC believes that the creation of a national infrastructure corridor — essentially a network of rights-of-way for nation building infrastructure — would make it easier and more economically viable to move resources to market, would connect northern and remote communities to vital economic and quality-of-life-enhancing infrastructure such as power, communications, road and rail. It would also reduce the environmental footprint and provide a positive framework for industry and First Nations to collaborate on the development of major projects like the Trans Mountain pipeline. Although a lofty goal, ACEC believes this nation building project merits continued promotion to elected officials and senior government officials in the year to come.

The Culmination of Our Efforts

ACEC'S yearlong advocacy efforts culminated with our annual Parliament Hill Day, which took place on October 23rd during the ACEC national leadership conference. It provided the opportunity for nearly 70 representatives from ACEC member firms to meet face-to-face with Members of Parliament to discuss these issues. The association's most successful government relations event and the cornerstone of our national advocacy program, this year's Parliament Hill Day was a great success, leading to requests for additional meetings by MPs with our members and the association.

The Year Ahead – Looking Forward to 2019

Although early in the New Year, ACEC is gearing up for another busy 12 months ahead. The team is working on exciting projects for 2019 that will further support our strategic priorities. Stay tuned for our Source newsletter and for details on what to expect from your national association in the year ahead!

ACEC-British Columbia Events

Since the 2018 Annual General Meeting ACEC-British Columbia has held a total of 41 events (not including 16 smaller social events) –

June 14	Leadership Program: Navigating Difficult Conversations
June 22	Vancouver YPG Breakfast Seminar <i>How to be Engaged in Your Career</i>
June 27	Kelowna Mixer
July 18	Leadership Program <i>Contract Language: Existing and Evolving Trends</i>
August 1	Policy Breakfast – <i>Professional Reliance</i>
August 2	Tour of Metro Vancouver's Seymour-Capilano Filtration Plant
September 12	10th Annual Okanagan Golf Tournament
September 20	Leadership Program <i>Financial Statement Analysis for the Non-Accountant</i>
September 26	Time Management for 21st Century Professionals
September 26	Whistler/Squamish Mixer
October 2	Burnaby/New Westminster Mixer
October 11	Richmond/Delta Mixer
October 30	Vancouver YPG Breakfast Seminar – <i>30 Bosses in 30 Years: Adventures in Association Management</i>
October 31	Leadership Program <i>Building the Best Team: Recruitment</i>
November 7	Performance Benchmarks for Consulting Engineering Firms
November 15	LNG Canada Mixer
November 22	Leadership Program <i>Building the Best Team: Retention</i>
November 27	City of Vancouver Mixer
November 28	Policy Breakfast/YPG Event <i>2019 Economic Outlook for BC with Patricia M. Mohr</i>
November 30	Holiday Mixer
December 10	Kelowna YPG Lunch Seminar – <i>30 Bosses in 30 Years: Adventures in Association Management</i>
December 11	Leadership Program <i>Core Skills Development</i>
December 12	Prince George Breakfast Seminar <i>First Nations Consultation on Major Projects</i>
December 13	Vancouver YPG Breakfast Seminar <i>The Importance of Building Professional Relationships</i>
January 31	2019 Transportation Conference <i>Moving at the Speed of Change</i>
February 6	North Shore Mixer
February 7	In collaboration with Okanagan YPG – <i>SMARTer Growth Partnership: Hydrail Consulting Opportunities</i>
February 20	TransLink Mixer
February 28	Prince George Mixer
March 14	Tri-Cities Mixer
March 27	Vancouver YPG Breakfast Seminar <i>Values-Driven Career Planning</i>
April 6	2019 Awards for Engineering Excellence
April 11	Victoria YPG Breakfast Seminar <i>Choosing a Path: Technical Specialist or Management?</i>
April 17	Metro Vancouver Mixer
April 24	Prince George YPG Breakfast Seminar – <i>Climate Trends, Impacts and Projections for the Northern Regions</i>
April 25	Leadership Session <i>Business Development for Engineers</i>
April 25	Langley/White Rock Mixer

May 7	YPG Kelowna Breakfast Seminar <i>How to be a Successful Consultant</i>
May 8	19th Annual Lower Mainland Golf Tournament
May 15	Surrey Mixer
May 23 & 24	Young Professionals Conference <i>Increasing Your Impact: Adding Value to your Company, Clients and Industry</i>

Awards Road Show

Member firms compete annually in ACEC-British Columbia's Awards for Engineering Excellence program by submitting projects in the categories of

- ❖ Buildings
- ❖ Municipal & Civil Infrastructure
- ❖ Transportation & Bridges
- ❖ Energy & Industry
- ❖ Natural Resource & Habitat
- ❖ Soft Engineering
- ❖ Projects Under \$2.5 Million

The Awards Road Show is a travelling public exhibit of display panels depicting these world class consulting engineering projects. The exhibit serves to inform, educate and inspire its audience while raising the profile of ACEC-BC members.

During the past year, the ACEC-British Columbia Awards Road Show has been on display at the following venues:

May 3 – June 15	Kelowna City Hall
June 17 – 30	Innovation Centre, Kelowna
September 4 – 20	Richmond City Hall
October 3 – 19	District of North Vancouver
January 31	Transportation Conference 2019
April 6	Awards Gala



Transportation Conference

Moving at the Speed of Change

Transportation Conference 2019

ACEC-British Columbia worked with the Ministry of Transportation and Infrastructure, and TransLink to develop **Moving at the Speed of Change**, a one day conference focused on new technologies, changing priorities and innovative developments in BC's transportation systems, and where we may be going in the future. Held January 31st, 2019 at the Hyatt Regency, Vancouver, the conference provided a number of sessions of interest to consultants, TransLink and Ministry staff, including:

- ❖ choice of morning guided tours:
 - Guided Port of Vancouver boat tour
 - BC Ferries Fleet Maintenance Unit, Richmond
 - Corvus Energy Storage Systems, Richmond
- ❖ morning presentations including:
 - Vision Zero Road Safety Strategy
 - YVR's Expansion Plans
- ❖ luncheon presentations by keynote speakers Ed Miska, Executive Director, Engineering Services, TRAN; Kenedee Ludwar, Director, Traffic and Highway Safety Engineering, TRAN; and Paul Godsmark, Chief Technology Officer, CAVCOE.
- ❖ afternoon sessions in two streams – *Smart Cities*, and *Adapting to Change*.
- ❖ reception and Deputy Minister's Awards Dinner.

19th Annual Golf Tournament

The Golf Tournament is one of the ACEC-British Columbia's most anticipated annual events, creating a fun and relaxed environment for members to network with their clients and industry colleagues. The tournament welcomed 144 participants at the Northview Golf & Country Club in Surrey, on May 8th, 2019. A portion of the tournament proceeds are donated to Make-A-Wish® Foundation of British Columbia and Yukon.



10th Annual Okanagan Golf Tournament

ACEC-British Columbia held the tenth Okanagan Golf Tournament at Harvest Golf Club on September 12th, 2018. More than 50 players participated in the tournament.

Event Sponsors

None of our many events would be possible without the continued support and encouragement from our many sponsors, for which we are most grateful. In particular, we would like to thank:

- AECOM
- AES Engineering
- Allnorth
- Aplin Martin
- Applied Science Technologists and Technicians of BC
- Armtec-Canada Culvert
- Associated Engineering (B.C.) Ltd.
- ATS Traffic
- Ausenco
- B & B Contracting Group
- BA Blacktop
- Bay Wealth Management / Investors Group
- BC Institute of Technology
- BC Road Builders and Heavy Construction Association
- BFL CANADA
- The Bike Shop Cafe and Catering Co.
- Binnie Consulting
- CanCADD Imaging Solutions
- Carlson Construction Group
- Cedar Creek Estate Winery
- CIMA+
- COWI
- CTQ Consultants
- Dentons Canada LLP
- DSI Dywidag
- Edelman
- EMC Mortgages
- ENCON
- Engineers and Geoscientists BC
- FlexMSE Vegetated Wall Systems
- GeoScan Subsurface Surveys
- Golder Associates
- Graham
- Great Northern Engineering Consultants
- Harper Grey LLP
- Hatch
- ISL Engineering and Land Services
- Peter Kiewit Sons ULC
- Kerr Wood Leidal
- Klohn Crippen Berger
- The Langley Concrete Group
- Lyft
- Mainroad Group
- Marsh Canada
- McElhanney
- MEA Forensic
- Metrix Professional Insurance Brokers / AXA XL Insurance
- Morrison Hershfield
- Mott MacDonald Canada
- Northwest Hydraulic Consultants
- Park Insurance
- Parsons
- PBX Engineering
- RAM Consulting
- RJC Engineers
- Red Bird Brewing
- Retro Specialty Contractors
- Singleton Reynolds
- SNC-Lavalin
- Stantec
- Terra Remote Sensing
- Tetra Tech
- Texcan
- Thurber Engineering
- Transtech Data Services
- Twining, Short & Haakonson, Barristers
- TYBO Contracting
- Urban Systems
- Wood
- WSP Canada Group Limited

Awards for Engineering Excellence

Since its inception 29 years ago, the Awards for Engineering Excellence Gala has not only become a “must attend” event for ACEC-British Columbia members and their clients, but it is also one that draws accolades from their spouses. This year some 500 guests joined us in celebrating the engineering achievements of ACEC-BC members. The 41 submissions in the awards competition were on display at the gala, launching the 2019 Road Show that tours venues around the province throughout the year.

Awards of Excellence

- ❖ **3 Civic Plaza**
Fast + Epp
- ❖ **Dual Use Detention Centre/Sports Field**
McElhanney
- ❖ **Bridging the Hudson:**
Main Span Design of the Governor Mario M. Cuomo Bridge
COWI
- ❖ **John Hart Generating Station Replacement Project**
SNC-Lavalin and BC Hydro
- ❖ **Blakeburn Lagoons Park**
ISL Engineering and Land Services Ltd.
- ❖ **New Solutions for Safe Drinking Water in Remote Communities**
WSP Canada Group Ltd.
- ❖ **Cloudraker Skybridge and Raven’s Eye Cliffwalk**
Morrison Hershfield

Awards of Merit

- ❖ **UNBC Wood Innovation Research Laboratory**
Stantec
- ❖ **Shedding Light on Greater Vernon’s Water System – An Innovation in UV Disinfection**
WSP Canada Group Ltd.
- ❖ **Slide. Freeze. Build.**
The Replacement of the Fort Nelson River Bridge
McElhanney
- ❖ **Azambi Hydroelectric Project**
Knight Piésold
- ❖ **Railway Crossing Information System – RCIS**
PBX Engineering
- ❖ **Oil Spill Software for Canadian Waters**
Tetra Tech Canada Inc.
- ❖ **Britannia Heritage Shipyard Flood Protection Improvements**
Dillon Consulting

Lieutenant Governor’s Award

The prestigious Lieutenant Governor’s Award is selected as the best from among all of the Awards of Excellence. This year’s winner is *WSP Canada Group Ltd.* for **New Solutions for Safe Drinking Water in Remote Communities.**



WSP partnered with RES’EAU-WaterNET, a collaborative research and development network, to develop a simplified water treatment system appropriate to the needs of small and remote communities.

By permitting natural biological organisms to grow on the ion exchange media, the team achieved improved uptake of organics, reduced chemical waste, reduced power consumption and reduced operator time required to run the system. WSP designed a full-scale pilot plant utilizing this technology, resulting in the lifting of a 14-year boil water advisory in a community of the Tl’azt’en Nation.

The project was delivered using a community centric approach. End users, residents and operations staff were approached first to offer input in development of a method to treat their water, and this was followed up by regular site visits.

The community now has access to safe drinking water using a pilot technology that is unique in the world and has the potential to be applied to small and remote communities across Canada.



Meritorious Achievement Award



The ACEC-British Columbia Meritorious Achievement Award recognizes an individual consulting engineer for outstanding contributions to the engineering profession, our industry and the community.

The recipient of this prestigious award is **John Sherstobitoff**, P.Eng., of Ausenco Engineering Inc.

After graduating from UBC in 1978 and obtaining his MS from the California Institute of Technology in 1980, John joined Sandwell (now Ausenco). His

early career in the industrial, pulp and paper, and oil and gas sectors helped him garner experience in vibration control and seismic engineering locally and around the world. He saw the benefits of combining these areas of expertise and, in the late 1980's, established a seismic engineering business within Sandwell. This led to the award of a major seismic upgrade project for Britannia Secondary School, then rated as the number one at-risk school in BC, and in the years that followed more than 250 seismic upgrade and assessment projects, including many that introduced new technologies and design approaches to the Canadian market.

John has participated in post-earthquake reconnaissance missions around the world, including Northridge, California (1994), Kobe, Japan (1995), and Chile (2010), presenting his findings to the engineering community, at universities, in the media and at conferences.

John has pioneered the use of new technologies in solving seismic engineering challenges in Canada, and his projects often incorporate ground-breaking solutions. He has been a key participant in several initiatives for BC schools, including the Seismic Retrofit Guidelines for BC Schools, the Ministry of Education's \$2 billion seismic migration program, and the installation of Earthquake Early Warning instrumentation for many schools and public buildings. He has led a number of projects that have been recognized locally, nationally and internationally with industry awards.

Despite his heavy work schedule, John has always made time to volunteer and participate in external associations including ACEC-BC, the Structural Engineers Association of BC, Canadian Association of Earthquake Engineering, Earthquake Engineering Research Institute (BC Chapter), and various National Building Code of Canada committees.

John continues to advocate for more resilient earthquake design and upgrade of buildings, especially using base isolation and supplemental energy dissipation techniques. This includes his role as Lead Structural Engineer assessing a base isolation concept for a major government building complex in Ottawa, and an invitation to join the City of Vancouver's Seismic Policy Advisory Committee.

Young Professional Award



The ACEC-British Columbia Young Professional Award recognizes an individual young professional who has demonstrated excellence in consulting business practices, outstanding achievements in their applicable fields, and leadership in the community.

This year's award recipient is **David Ellis**, P.Eng., of McElhanney.

During his nearly nine years in the industry, David has shown tremendous growth in terms of his contributions to the engineering community, development

of his leadership abilities, and in delivering high-quality, innovative projects. After working for Associated Engineering and Kiewit, David's career with McElhanney began in 2017, as an Intermediate Bridge Engineer. Since then, David has worked on a variety of projects in several different roles, ranging from Coordinating Professional Engineer (CPE) to Project Manager.

David leads McElhanney's internal Young Professional program this year as company-wide chair, where he works alongside senior leaders as part of the Executive Committee. An accomplished structural engineer, David is also an active member of McElhanney's building and bridge technical discipline groups. Evidence of David's technical and leadership skills is shown by his involvement in many engineering community initiatives, complex project undertakings, and thorough understanding of engineering business processes.

He prides himself on excellent client relationships, which is demonstrated by consistent positive feedback. David has represented McElhanney at the 2017 and 2018 ACEC Canada Summits in Ottawa, the Consulting Engineers of Alberta (CEA) YP Conference in 2016, and was a key member of the Local Organizing Committee for the 2017 IABSE Symposium, a conference with over 800 delegates.

David is a dedicated volunteer, and the current Chair of ACEC-BC's Provincial Steering Committee for the Young Professionals Group. David is also a Young Professional representative on the ACEC-BC/MoTI Joint Bridge Subcommittee and a member of the Transportation Committee-at-Large.

David also demonstrates a keen interest in providing a positive influence on students and youth, and has volunteered with EGBC's Science Games and Geering Up! Consultant's Contraption, and 2018's Christmas Toy Drive for 1UP Single Parent Resource Center in Victoria.

David is an inspiration to the YP community, sharing his knowledge while effectively delegating. He is a solid teammate, a willing teacher, and will no doubt continue to positively influence the consulting engineering industry.

Client of the Year Award



The recipient of the 2018 ACEC-BC Client of the Year Award is the **City of Kelowna**. With a service population of over 120,000, the City is the single largest employer in the Okanagan Valley, providing a variety of services to keep the citizens of Kelowna safe, happy and healthy every day. Over the past five years the City's annual capital budget has ranged from 50 to 100 million dollars and annual building permits issued amount to more than 500 million dollars - making the City a key economic contributor.

In 2015, the ACEC-BC City of Kelowna Liaison Committee was established. From the outset, this committee has facilitated dialogue between the consulting engineering community and the City Infrastructure and Procurement Departments, with the shared goal of improving engineering service delivery within the City.

The City's participation in this committee promoted a collaborative relationship with the consulting engineering community and resulted in the following key successes:

- Implementation of a qualifications-based selection (QBS) process for consultancy services.
- Participation in annual events with broad representation by City staff, promoting communication with the consulting engineering community;
- Consistency in consultant selection process throughout City departments;
- Improved engineering consultancy procurement practices;
- Development of mutually agreeable terms of reference for Request for Qualifications and Request for Proposals;
- Regular dialogue regarding upcoming projects and opportunities with the City; and
- Improved consultancy performance evaluation and debriefing processes.

Following on these successes, the City's Development Department initiated a Consulting Engineer Liaison committee specifically focused at improving communication with the land development engineering community. This committee successfully served to:

- Provide input to planned development by-law changes;
- Facilitate dialogue between by-law officers, the Development Planning Department, and consulting engineers; and
- Inform consulting engineers of the City's development application process, drafting standards and by-law review process.

The active dialogue and positive working relationships developed between the City and the consulting engineering community allowed the City to respond dynamically to overcome challenges related to the Okanagan flooding events of 2016 and to secure and implement a grant funding opportunity for over 50 million dollars of water system infrastructure improvements.

The City's efforts over the past five years have been exemplary, resulting in the City becoming the client of choice in the Okanagan Valley.



2019 Meritorious Achievement Award – John Sherstobitoff, P.Eng.



2019 Young Professional Award – David Ellis, P.Eng.



*2019 Client of the Year Award – City of Kelowna
Award accepted by Alan Newcombe, P.Eng., Director of
Infrastructure Design, Planning and Construction*

Treasurer's Report



Annual Report submitted by
Gurjit Sangha
 Vice-Chair/Treasurer
 ACEC-British Columbia

The Treasurer's Report summarizes the financial status of ACEC-British Columbia as of March 31, 2019, which is the fiscal year end of the organization. The report also provides a brief summary of the 2019-2020 fiscal year budget.

The ACEC-BC financial statements are independently audited by Wolrige Mahon LLP, Chartered Professional Accountants.

Actual and budgeted revenue and expenses for the 2018-2019 fiscal year are as follows:

Item	Actual	Budget	Variance
Revenue	\$1,249,605	\$1,149,100	\$100,505
Expenses	\$1,199,007	1,131,400 *	(\$67,607)
Net	\$50,598	\$17,700	\$32,898

* includes amortization

Total employment by member companies has continued to grow ahead of projections. In addition we were able to attract eight new Corporate Members, for a net increase of three. A new professional development program - the Certificate in Consulting Engineering Leadership - was introduced, and many of our member events attracted a higher than projected number of attendees.

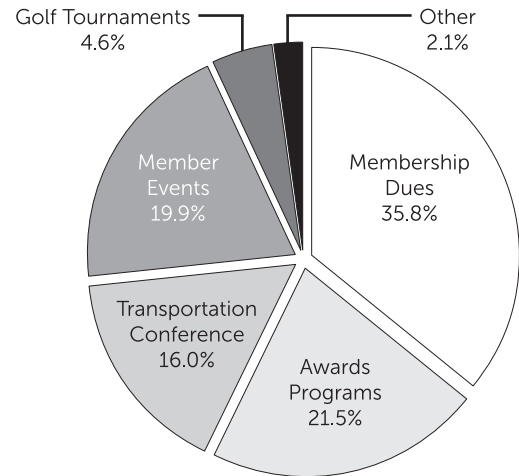
We continue to work hard to encourage new corporate and associate members to join the organization. As can be seen in the accompanying charts, the decision made by the Board several years ago to diversify revenue streams is having a beneficial impact.

Our total "N" number - or the total number of employees at corporate member offices - for 2018-2019 was 8,841. This reflects an increase of about 6.1% from the previous year. Participation by associate members has benefited ACEC-BC in many ways, through access to advice and increased revenues from dues, attendance at member events, and event sponsorships.

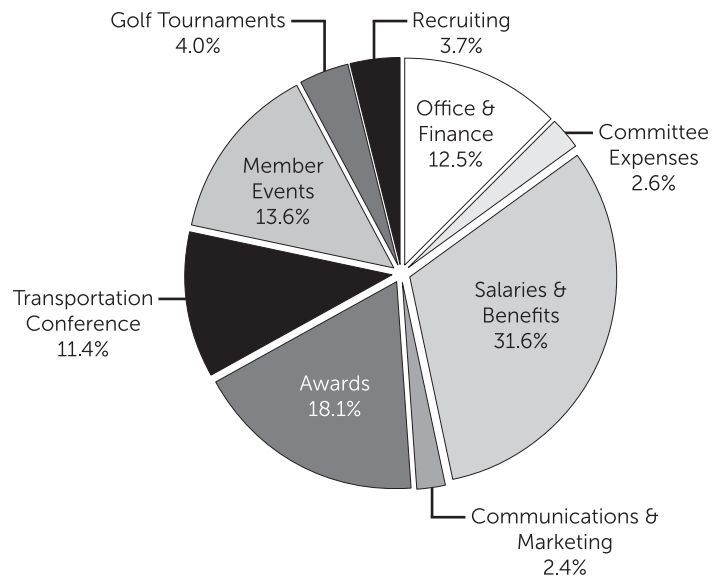
We are encouraged that the growth we have seen in the "N" numbers over the past year appears to be continuing, with many members reporting increased "N" numbers compared to previous years.

The 2019-2020 fiscal budget approved by the board anticipates a total revenue of \$1,233,750 and total expenses (including amortization) of \$1,241,500 which would result in a deficit of (\$7,750).

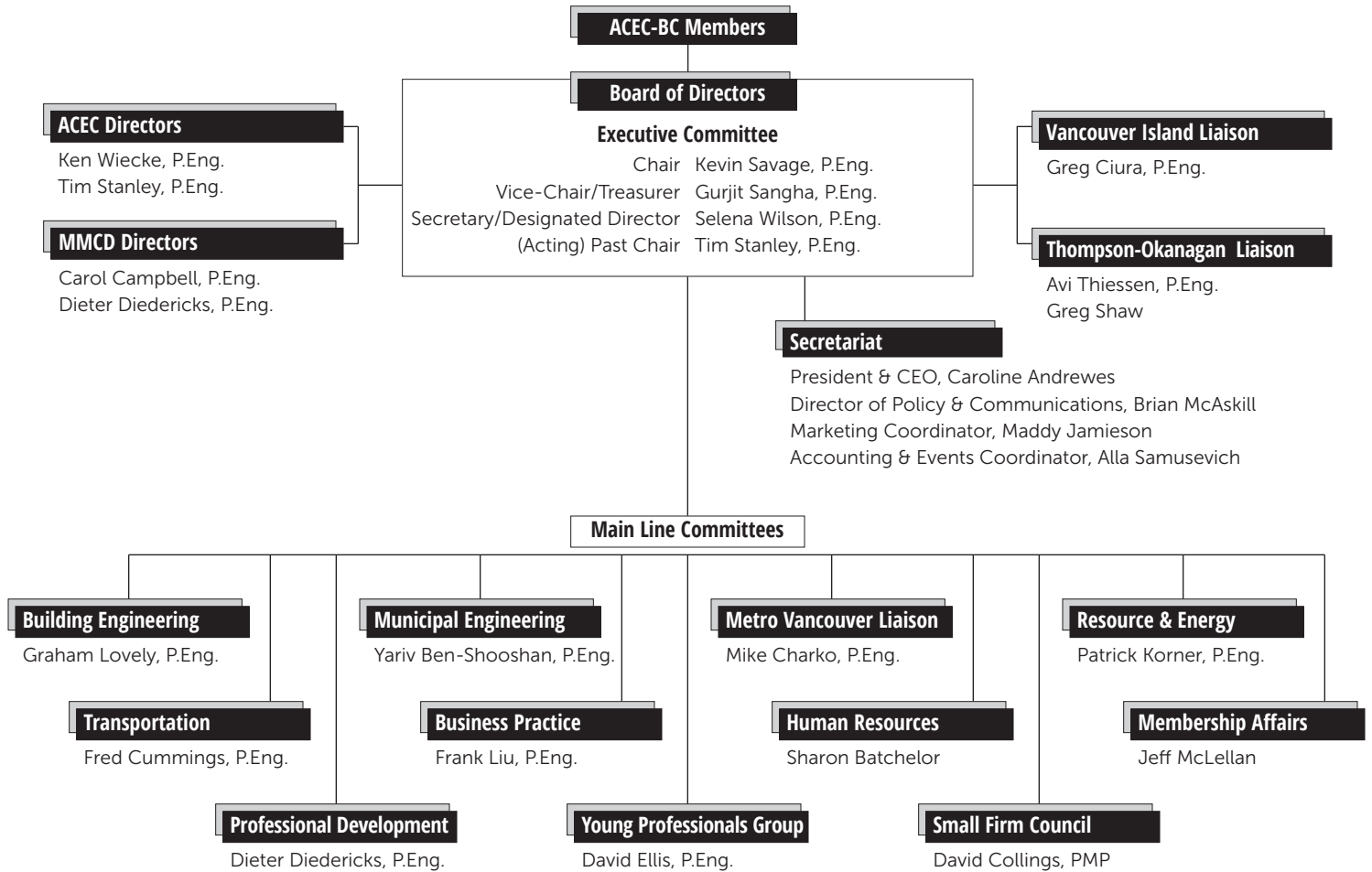
2018-2019 Revenue Sources



2018-2019 Expenditures



2018-2019 Organization Chart



The ACEC-British Columbia Board of Directors and Executive Committee maintain liaison with the following organizations:

Association of Consulting Engineering Companies - Canada
 Architectural Institute of BC
 Applied Science Technologists & Technicians of BC
 BC Construction Association
 BC Construction Roundtable
 BC Institute - Purchasing Managers Association of Canada
 BC Ministry of Finance
 BC Road Builders and Heavy Construction Association

Consulting Engineers of Alberta
 Engineers & Geoscientists BC
 Government Finance Officers Association of BC
 Local Government Management Association of BC
 Master Municipal Contract Documents Association
 Members of the Legislative Assembly
 Members of Parliament
 Mining Association of BC

Quantity Surveyors Society of BC
 Pacific Northwest Economic Region
 Partnerships BC
 TransLink
 Union of BC Municipalities
 Urban Development Institute
 Vancouver Airport Authority

Association of Consulting Engineering Companies—British Columbia
 1258 - 409 Granville Street, Vancouver, BC V6C 1T2
 t: (604) 687-2811 e: info@acec-bc.ca
 f: (604) 688-7110 w: www.acec-bc.ca

Corporate Members

AECOM Canada Ltd.	FERM Consulting Inc.	Northwest Hydraulic Consultants Ltd.
AES Engineering	Frykberg Innovations Inc.	Onsite Engineering Ltd.
Allnorth Consultants Limited	GeoWest Engineering	Parsons Inc.
J.E. Anderson & Associates	GHD Limited	PBX Engineering Ltd.
Aplin & Martin Consultants Ltd.	GOAL Engineering Ltd.	Pinchin Ltd.
Associated Engineering (B.C.) Ltd.	Golder Associates Ltd.	Piteau Associates Engineering Ltd.
Ausenco Engineering Canada Inc.	Great Northern Engineering Consultants Inc.	RAM Consulting Inc.
BBA Inc.	Gygax Engineering Associates Ltd.	Read Jones Christoffersen Ltd.
BGC Engineering Inc.	Hatch	RKTG Associates Ltd.
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