

ACEC – British Columbia Annual Report 2017 ♦ 2018



ASSOCIATION OF CONSULTING
ENGINEERING COMPANIES
BRITISH COLUMBIA



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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 84 firms employing 8,800 people in British Columbia. The number of member firms has dropped in recent years because of tremendous growth in the industry that has resulted in numerous mergers and acquisitions. 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 to 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.

2017-2018 Elected Directors

Chair	Jeannine Martin	COWI
Vice-Chair/Treasurer	Kevin Savage, P.Eng.	Tetra Tech Canada
Designated Director	Gurjit Sangha, P.Eng.	WSP Opus
Past Chair/Small Firm Council	Tim Stanley, P.Eng.	Stratice Consulting
Metro Vancouver Liaison Committee	Richard Bush, P.Eng.	Binnie Consulting
MMCD Director	Carol Campbell, P.Eng., PMP	WSP Opus
Transportation Committee	Fred Cummings, P.Eng.	Hatch
Business Practice Committee	Mike Dickens, P.Eng.	Kerr Wood Leidal Associates
Membership Affairs Committee	Doug Redmond, P.Eng.	WSP Canada
Director-at-large	John Sherstobitoff, P.Eng.	Ausenco
Building Engineering Committee	Iain Ward, MStructE, C.Eng.	Wood
Professional Development Committee	Selena Wilson, P.Eng.	McElhanney Consulting Services Ltd.
Resource & Energy Committee	Brian Yates	SNC-Lavalin

2017-2018 Ex Officio Directors

Young Professionals Group	David Marchand, P.Eng.	Binnie Consulting
ACEC Director/Human Resources Committee	Ken Wiecke, P.Eng.	Wood
Municipal Engineering Committee	Marc Winer, P.Eng.	Dillon Consulting

2017-2018 Executive Committee



Jeannine Martin
Chair



Kevin Savage, P.Eng.
Vice-Chair/Treasurer



Gurjit Sangha, P.Eng.
Secretary/Designated Director



Tim Stanley, P.Eng.
Past Chair



Keith Sashaw
President & CEO

Chair's Report



The 2017/2018 year has been an active one for ACEC-BC! This year's Board has been committed to the theme *Increasing Member Engagement*. We had the additional challenge of determining how much of our focus should be altered due to the NDP Government and its potential effect on our businesses.

In support of our foundation topics – Qualifications Based Selection (QBS), Proportional Liability and Onerous Contract Terms – the board identified the following agenda for the year:

❖ **Connect more closely with member firms**

A "buddy system" was implemented with each board member owning relationships with several member firms. Through this system, new relationships have been built, member firms have been kept informed of key events and issues in the industry, and engagement has increased in ACEC-BC activities.

❖ **Increasing Member Value**

A meeting of the industry decision makers was convened that focused on engaging membership on how best to maximize the benefits of membership, to update organization activities and to solicit input and ideas to increase member value.

❖ **Influencing the new government**

In addition to ACEC-BC's active pursuit of relationships and influence with government, we identified the potential to amplify engineering's impact from a grass roots position. ACEC-BC presented a seminar on "Effective Government Relations", which provided members the confidence and information needed to effectively approach government representatives. The seminar was well attended and we received excellent feedback from attendees. The annual MLA day followed this seminar – putting our new skills to work!

❖ **Actively pursuing partner organizations' support of QBS**

ACEC-BC is always focused on QBS. This year we increased efforts to solicit support from industry partners in delivering the message that QBS results in more efficient and cost effective projects.

❖ **Addressing the industry skills shortage by developing and implementing a Leadership in Consulting Certificate Program**

The consulting engineering industry continues to see a looming shortfall of people with the complex skills sets needed to serve local, national and international clients. To meet this need ACEC-BC developed a series of courses to support the development of the mid-level consulting talent. This program kicked off in April 2018 and the inaugural year is a sell out! The class of 2018 will be a force for our industry.

❖ **Raising the awareness and influence of ACEC-BC**

Engineering is recognized as a trusted profession by the public. To better serve in this role and to further raise the profile of engineering, a list of technical experts is being developed. These experts will be made available to speak and share knowledge and scientifically based opinions on key issues.

❖ **Increase Awards Gala interest and relevance to all members**

The Gala is an excellent event that seems to get better each year. This year a new category was introduced in the competition, aimed at increasing participation and recognition of small firms. This was quite successful in attracting multiple entries.

As a result of our increased activity and increased presence, the association has seen a growth in the number of corporate members and continues to attract Associate Members. Membership dues and participation of members in events keeps our organization strong and influential, and this increasing metric is a significant factor for our success.

This year's Board also decided that the organization would be enhanced by Board participation from outside our consulting firms. To accomplish this we will be requesting a change to the by-laws at the 2018 AGM. The vision of this expansion is to include up to two additional positions, including a position for an engineer retired from a government position and a representative from our Associate Member firms. Increased knowledge and perspective on the industry will be gained from this expansion.

It has been a fantastic year of accomplishments and progress for ACEC-BC thanks to a hard working Board, over 100 hard working volunteers who serve on our committees, and the dedicated staff of ACEC-BC. Serving as the Chair for ACEC-BC has been one of the highlights of my career. Your Board is a pleasure to work with for they are proactive and engaged, always looking after the interests of the consulting community. They have accepted the challenges and done a masterful job.

Respectfully submitted,

A handwritten signature in blue ink that reads "J Martin".

Jeannine Martin

Chair of the Board of Directors

Association of Consulting Engineering Companies–British Columbia

President's Report



External Environment

BC's economy continues to lead the rest of Canada and this is expected to last for the next year or so. The resource sector is improving with more exploration and positive news. While controversy dogs the Trans Mountain Expansion project as a result of the position taken by the BC Provincial Government, there does seem to be some signs that some of the LNG projects may move forward. These factors are still in play.

Policy Initiatives

The most significant policy event was the election of the NDP government in May 2017. ACEC-BC was disappointed with the decision to cancel the George Massey Tunnel Replacement Project and the actions taken by the Provincial Government to thwart the Trans Mountain Expansion Project. We were pleased that the Provincial Government decided to proceed with building the Site C Clean Energy Project, after some delays. We are concerned with the message that such actions send to international investors about investing in major projects in BC.

ACEC-BC continues to be engaged with the EGBC Task Force on Corporate Practice. In its initial submission, ACEC-BC recommended that all entities that employ professional engineers be regulated. Further, ACEC-BC recommended that entities which are regulated should adopt best practices such as the mandatory use of Qualification Based Selection and use of accepted standard contracts such as CCDC documents, MMCD or ACEC documents.

ACEC-BC submitted a report to the EGBC Task Force second stage reiterating its position and provided further recommendations on the implementation of corporate practice.

ACEC-BC responded to a review being undertaken by the Provincial Government on the topic of professional reliance.

Advocacy

ACEC-BC continues to advocate on behalf of our members and the consulting engineering sector.

Given the election in May, ACEC-BC held our MLA Day in November. Our lunch was very well attended with over 40 MLA's including several Cabinet Ministers in attendance. The Executive Committee met with the Minister of Transportation and Infrastructure, as well as the caucuses for both the NDP and Liberal parties. To better enable our members in dealing with elected officials we delivered a very successful "Effective Government Relations" half day session, which was attended by 60 leaders in the industry.

ACEC-BC continues to issue Onerous Clause Alerts as complaints are made by our members. In addition we have had direct interactions with several clients, including Metro Vancouver on specific contract clauses.

On the media awareness side, we have also been busy, submitting a number of op-eds to the Vancouver Sun – one on the role engineers can play in the bridging the growing electoral divide, another on the capacity of the engineering community to meet the growing list of capital projects and another on the amount of research that has been done on marine spills. We have also issued media releases on our award winners, and expressing concern regarding the recent announcement by Kinder Morgan to stop non-essential construction. Most recently we issued an opinion piece suggesting the Province adopt proportional liability. We also published a 12 page supplement on ACEC-BC issues in Business in Vancouver, as well as our annual Awards supplement. Total media impressions for ACEC-BC over the last year are in excess of 29 million.

Activities

ACEC-BC is well-known for the events we offer to members and the industry. Between September 2017 and June 2018, ACEC-BC has presented over 60 events, including 6 Professional Development seminars, 12 mixers, 15 YPG functions, 6 Policy Breakfasts, 2 Golf Tournaments, a very successful Transportation Conference, a spectacular Awards of Engineering Excellence Gala and other events. As per the policy direction established by the Board a few years ago, these events are generating significant non-dues sources of revenue.

ACEC-BC was pleased to launch the **Leadership in Consulting Engineering Leadership Certificate Program**, an 8 course series for emerging principals and design professionals. This comprehensive, consistent program designed to meet the needs of consulting engineering firms, developed by the industry, for the industry. The series will cover the essential leadership skills for those looking to take the next step in their career as a business leader. The program is restricted to 25 participants and was fully subscribed within weeks of it being offered.

In addition to those events, ACEC-BC partnered with United Way for our inaugural Scavenger Hunt in which 10 teams competed one afternoon and raised over \$6,000 for United Way. We also invited all members to attend a session to hear about ACEC-BC initiatives on a number of issues. We were very pleased that over 65 senior leaders in the industry participated in the event.

ACEC-BC is an active and responsive organization, acting in the best interests of the consulting community. Driven by the direction provided by hard-working volunteers, including directors, committee members and other volunteers, ACEC-BC continues to provide innovative programs and services. This could not be accomplished without the hard work and dedication of ACEC-BC's staff: Brian McAskill, Communications & Policy Analyst, Alla Samusevich, Events & Accounting Coordinator and Lia Spidlen, Marketing Coordinator. Lia is now maternity leave and we are pleased to have Luise Weber-Steinhaus join us as part of the crew. I would also like to acknowledge the contribution by Kate Cockerill who works with us on the production of the ACEC-BC Awards of Engineering Excellence program.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Keith Sashaw". The signature is fluid and cursive, written on a light-colored background.

Keith Sashaw
President & CEO
Association of Consulting Engineering Companies–British Columbia

Minutes of the 2017 ACEC-BC AGM

held Wednesday, June 7th, 2016 (5:00 pm) at the Coast Plaza Hotel, 1763 Comox Street, Vancouver, BC

1. Call to Order and Notice of Meeting

The meeting was called to order by Tim Stanley. Keith Sashaw confirmed that a quorum was present.

Special guests were introduced:

John Leech, ASCT and Jason Jung, ASCT, PTech, ASTTBC; Kelly Scott, BC Road Builders; Janet Sinclair, APEGBC; John Gamble, P.Eng. and Rick Tiller, P.Eng., ACEC-Canada.

Past Chairs in attendance were recognized:

Warren McIntyre, P.Eng.; Steve Fleck, P.Eng.; Doug Hinton, P.Eng.; Francois Morton; Angus English, P.Eng.; Chris Newcomb, P.Eng.; and Ken Wiecke, P.Eng.

2. Minutes of Annual General Meeting of June 7th, 2016

Tim Stanley presented the minutes of the previous Annual General Meeting. Steve Fleck moved *that the minutes of the previous AGM be approved as presented*. The motion was seconded by Doug Hinton. The motion was adopted.

3. Annual Report 2016-2017

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

- ❖ Total employment by member firms in BC has declined by about 15% over the past two years. This trend now appears to have levelled off.
- ❖ Over 100 volunteers participate in ACEC-BC's 11 main line committees.
- ❖ ACEC-BC continues to work with BC Road Builders and Heavy Construction Association to discuss issues of mutual interest with municipalities, and participates in the Construction Council of Vancouver Island to build strong linkages.
- ❖ The Executive Committee has met regularly with other organizations including APEGBC, AIBC and ASTTBC. ACEC-BC also meets regularly with key individuals at BCMOTI, BC Hydro, Metro Vancouver and other client organizations.
- ❖ ACEC-BC organized more than 60 events over the past year, attracting over 3,500 participants.
- ❖ ACEC-BC has continued to actively advocate through various media, with 27 million media impressions.
- ❖ Dealing with onerous clauses and promoting QBS continue to be key policy initiatives.
- ❖ ACEC-BC is working with APEGBC on several issues including Corporate Regulation, Use of Seal, Continuing Professional Development, and Climate Change Adaptation/BCMOTI Standard of Care.
- ❖ Emerging Issues include:
 1. Political Uncertainty at the Provincial Level.
 2. Skills Shortages facing the Engineering Sector.
 3. Housing affordability issues making it difficult to recruit/retain employees.
 4. Major Projects facing vocal opposition.
 5. Climate Change presenting challenges and opportunities.

4. Treasurer's Report for 2016-2017

Jeannine Martin presented the financial statements for the fiscal year ending March 31, 2017.

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

Revenues and expenses for the 2016-2017 fiscal year are:

Item	Actual	Budget	Variance
Revenue	\$1,044,827	\$1,031,000	\$13,827
Expenses	\$1,038,531	\$1,035,850	(\$2,681)
Net	\$6,296	(\$4,850)	\$11,146

The fiscal year started with some challenges, as the downturn in the resource sector continued to impact our members' total employment numbers. Furthermore, the surplus from the Awards gala was lower than expected, resulting in a negative net position early on. However, we were able to meet and exceed revenue targets, achieving a surplus of over \$6,000. It was noted that the decision made by the board several years ago to diversify revenue streams is having a beneficial effect.

The 2017-2018 fiscal budget has been approved by the board. A small surplus is anticipated, with projected total revenues of \$1,047,000 and expenses of \$1,044,950 (not including amortization).

Jeannine Martin asked if there were any questions concerning the financial statements. As no questions were raised, Jeannine asked for a motion that the 2016-2017 Financial Statements be approved as presented. So moved by Gurjit Sangha. The motion was seconded by Steve Fleck. The motion was adopted.

Jeannine Martin asked for a motion *that ACEC-British Columbia appoint Wolrige Mahon LLP, Chartered Accountants as the auditor for the association for the 2016-2017 fiscal year*. So moved by Steve Fleck. The motion was seconded by Scott Campbell. The motion was adopted.

5. Nominating Committee Report

Ken Wiecke presented the report of the ACEC-BC Nominating Committee.

Six vacancies are opening on the board as the terms of Adrian Corlett, P.E.; Mike Dickens, P.Eng.; Shane Johnson, P.Eng.; Carl Miller, P.Eng.; Asifa Samji; and Homayoun Vahidi, P.Eng. come to an end. In addition, Michael Carlino, P.Eng. and Maureen Kelly, P.Eng. resigned from the board during the past year.

Mike Dickens, P.Eng. of Kerr Wood Leidal Associates (Burnaby) is nominated as an ACEC-BC Director for a one-year term.

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

- ❖ Richard Bush, P.Eng., Binnie Consulting (Burnaby)
- ❖ Fred Cummings, P.Eng., Hatch (Vancouver)
- ❖ Doug Redmond, P.Eng., WSP Canada Inc. (Vancouver)
- ❖ Iain Ward, MStructE, C.Eng., Amec Foster Wheeler (Burnaby)
- ❖ Brian Yates, SNC-Lavalin (Vancouver)

6. Election of Board of Directors

Ken Wiecke noted that, 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.

7. Outgoing Chair's Remarks

Tim Stanley commented that it has been a pleasure serving over the past year. As Chair, he has worked with the industry's best on a number of key issues. The experience has reaffirmed his opinion of the high level of professionalism in the BC consulting engineering industry. He encouraged attendees to become more engaged in ACEC-BC activities, and to invite their colleagues to do the same.

The work done by ACEC-BC on QBS and onerous clauses is of great value, and provides a key benefit to members. Through the Leaders' Dinner, the Past Chairs' Dinner and individual meetings with ACEC-BC members, the board has gained critical feedback from the membership. Over the past year we have collaborated with APEGBC on important issues, including Corporate Regulation and Use of Seal.

The Young Professionals Group continues to amaze with their energy and enthusiasm. This year, the YPG launched the inaugural ACEC-BC Young Professionals Conference, exceeding sales and sponsorship targets, and putting together an outstanding program of speakers. The future of the industry is in good hands.

Tim thanked Keith Sashaw and the staff of ACEC-BC, the members of the board and Executive Committee, the committee Chairs and members, and Past Chairs of ACEC-BC for their contributions over the past year. He thanked and acknowledged the contributions of the outgoing Past Chair, Ken Wiecke, P.Eng., noting that Ken will return to the board in an ex officio capacity as an ACEC-Canada Director.

Gifts were presented to outgoing directors Homayoun Vahidi, P.Eng.; Zahra Pirani, P.Eng.; and Steve Fleck, P.Eng.

Tim introduced and passed the gavel to incoming Chair Jeannine Martin of COWI North America.

8. Incoming Chair's Remarks

Jeannine Martin commented that she felt honoured to be appointed as ACEC-BC Chair. She credited some early encouragement to join the ACEC-BC board offered by Sheri Plewes and Steve Fleck. Jeannine also noted that her appointment is an example of the Board's vision for diversity within the organization and recognition that a non-engineer experienced and committed to the industry can passionately represent the furthering of the profession and the valuable role engineers fill in our communities.

The board will meet in September to review the progress made over the past year, and set the agenda for the coming year. Pushing forward on full adoption of QBS, and championing Proportional Liability for our member firms will be key issues. We are currently putting together our approach to working with the new Provincial Government, and look forward to meeting with them in the near future.

Jeannine thanked Tim Stanley for his leadership over the past year and presented him with a gift.

9. Other Business

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

Jeannine Martin 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 Cory Edgar. The motion was seconded by Selena Wilson. The motion was adopted.

10. Adjournment

Jeannine Martin asked if there was any further business from the floor. There being none, she declared the 2017 ACEC-BC Annual General Meeting adjourned.

Vancouver Island Liaison



Annual Report submitted by
Carol Campbell, P.Eng., PMP
Chair, Vancouver Island Liaison Committee

This is my first and last year as Chair of the Vancouver Island Liaison Committee (VILC), having taken on the role and shortly thereafter relocating away from Vancouver Island! I would like to welcome the new Chair, Mr. Greg Ciura of WSP Canada.

The Vancouver Island Liaison Committee (VILC) supports and participates in Board initiatives, meets to review business issues pertinent to member companies on Vancouver Island, and provides a communication corridor from Island members to the ACEC-BC Board. As well, the Committee plans and organizes social events for member companies on Vancouver Island.

The annual Vancouver Island Mixer will be held on May 30 in Victoria with guest speakers Scott Cunningham, Director of Facilities and Infrastructure, Victoria Airport; David Edgar, Transportation Engineer for Vancouver Island, BCMOTI; Michael Pearson, District Transportation Manager Vancouver Island, BCMOTI; and Rory Kulmala, CEO, Vancouver Island Construction Association

The Vancouver Island consulting engineering companies together with the whole construction industry continue to enjoy their good years. Major investments include airport improvements in Victoria, Nanaimo and Port Hardy, seismic upgrades of schools and post-secondary institutions, new buildings at UVic, Camosun College and Vancouver Island University; along with several highway improvement projects. The Capital Regional District's Wastewater Treatment Project, after years of planning and discussions, is finally under construction. Residential development, despite its challenges, has been on the rise, which is particularly apparent in Victoria's downtown.

In November 2017, following the change of government in BC after May's election, the Liaison Committee participated in the MLA Luncheon and Reception at the Hotel Grand Pacific in Victoria.

I have enjoyed my short tenure as Chair of VILC and stay on Vancouver Island and wish the committee well.

Vancouver Island Liaison Committee Members

Carol Campbell, P.Eng., PMP (Outgoing Chair)
Greg Ciura, P.Eng., Struct.Eng. (Incoming Chair)
Stephen Bean, P.Eng.
Carl Miller, P.Eng.

Thompson-Okanagan Liaison



Annual Report submitted by
David Gibson, P.Eng., Chair
Thompson-Okanagan Liaison Committee

2018 is proving to be a very busy year in the Thompson-Okanagan. We are very pleased to report that members in the Thompson-Okanagan region continued an excellent working relationship with the City of Kelowna through regular meetings with Alan Newcombe, P.Eng., Director of Infrastructure for the City of Kelowna.

With over 25 firms on the distribution list, ACEC-BC members and the City of Kelowna have had a number of very positive meetings, discussing issues of mutual interest.

In November, the ACEC-BC Okanagan Liaison Committee presented its annual Okanagan Mixer to discuss the Okanagan Lake flooding that occurred during 2017 with guest speaker Brian Symonds, P. Eng., former Director of Water Stewardship with the BC Ministry of Forests, Lands and Natural Resource Management. Over 55 people attended the event.

The agencies invited to attend included:

- ❖ City of Kelowna
- ❖ Westbank First Nation
- ❖ City of West Kelowna
- ❖ District of Peachland
- ❖ District of Summerland
- ❖ City of Penticton
- ❖ District of Lake Country
- ❖ City of Vernon
- ❖ Regional District of Central Okanagan
- ❖ Ministry of Transportation and Infrastructure
- ❖ BC Parks

In addition to our activities with the City of Kelowna, 50 golfers came out to our annual Kelowna Golf tournament on September 12th, 2017. We used this opportunity to build links with the Southern Interior Construction Association and the Canadian Home Builders Association of Okanagan.

Our local Young Professionals Group delivered 3 breakfast seminars, which attracted over 60 attendees. The seminars covered the following topics:

- ❖ Question, Collaborate, and Innovate: Three critical strategies to becoming a change maker in your organization
- ❖ How to be Successful with Municipal Clients
- ❖ What I learned in my career in consulting engineering, so far

We are also looking at presenting an exciting event on June 27th, showcasing some of the recipients of the ACEC-BC Awards for Engineering Excellence.

We look forward to continuing to develop positive relations with other client groups in the Thompson-Okanagan region and to deliver services to members based in this region.

Thompson-Okanagan Liaison Committee Members

David Gibson, P.Eng. (Chair)	Shane Lapp, P.Eng.
Gerda Bolton, P.Eng.	Mike Laverdiere
Dave Cullen, P.Eng.	Glenn Lohnes, ASCT
Don Daigneault	Diego Mandelbaum, P.Eng.
Brett deWynter, P.Eng.	Troy Martin, P.Eng.
Paul Ell, P.Eng.	Scott Martin, P.Eng.
Alan Emery, P.Eng.	John Murray, P.Eng.
Mark Forsyth, P.Eng.	Brendan Murtagh, P.Eng.
Sheldon Gull, ASCT	Mike Naylor, P.Eng.
Michael Hobson, Eng.L.	Timothy Phelan, P.Eng.
Stephen Horsman, P.Eng.	Ben Rawlinson, ASCT
Gerald Imada, P.Eng.	Jim Roe, ASCT
Jim Kentel, P.Eng.	Greg Shaw
Forrest Klotzbach, 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.
- ❖ Monitoring and providing input on AIBC/ACEC-BC/Engineers & Geoscientists BC issues (Codes, collaboration, fees and signing/sealing, etc).

The committee developed and is developing a number of Hot Topic Papers and Watching briefs looking at:

- ❖ Collaboration with BC Hydro
- ❖ Structural Drawings requirements
- ❖ Signing & Sealing of Documents
- ❖ Budget guideline reviews
- ❖ Electrical coordination and scope with other disciplines
- ❖ Fire Suppression Permit changes

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)	
Guillaume Vadeboncoeur, P.Eng. (Vice-Chair/Secretary)	
Fadi Ghorayeb, P.Eng., Struct.Eng., MIStruct.E., FEC (Past Chair)	
Chris Anderson, P.Eng.	Andrew Tashiro, P.Eng.
Greg Ciura, P.Eng., Struct.Eng.	Graeme Terris, P.Eng., C.Eng.
Karim Karimzadegan, P.Eng.	Met Ulker, P.Eng., FEC
Clint Low, P.Eng., Struct.Eng., FEC	Jeff Verge, P.Eng.
Narvir Patrola, P.Eng.	

Metro Vancouver Liaison Committee



Annual Report submitted by
Arash Masbough, PMP, 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 dollar for their upcoming multi-billion dollar infrastructure projects. ACEC-BC can play a large part in helping to achieve the objectives identified in the Metro Vancouver Board Strategic Plan 2015 to 2018:

- ❖ Explore opportunities to do more with our existing investments in infrastructure.
- ❖ Attain the highest possible levels of excellence in meeting our service delivery responsibilities.
- ❖ Build and facilitate collaborative processes, including those that engage citizens, to achieve a robust partnership working together for a sustainable region.
- ❖ Deliver services effectively and efficiently at the regional level.
- ❖ Ensure that opportunities for increased efficiencies are evaluated and implemented.

In 2017-2018 the committee had regular meetings with the General Managers of Metro Vancouver's Liquid Waste; Water Services; and Solid Waste departments. We also had regular and task-specific meetings with other senior managers and directors on several topics that are of interest and value to the consulting industry including:

- ❖ RFPs, agreements and contract language and potential procurement improvements.
- ❖ Electronic sealing of drawings and other documents.
- ❖ Potential for a collaborative workshop to explore new ways that ACEC-BC members can assist Metro Vancouver in delivering their capital projects.

The 2018 Metro Vancouver Mixer had record attendance and was very 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 the potential items of interest.
- ❖ Reflect on the topics evaluated and discussed in the past year and update those based on discussions within the committee as well as results of the online Questionnaire.
- ❖ Organize the 2019 Metro Vancouver Mixer, search for a suitable speaker and organize the keynote speech.

Metro Vancouver Liaison Committee Members

Arash Masbough, P.Eng. (Chair)	Chery Gomes, EIT (YPG)
Ali Azizian, P.Eng.	Dan Hajdukovic, P.Eng.
Mike Charko, P.Eng.	John Herbert, P.Eng.
Angus English, P.Eng.	Sunny Mangat, P.Eng.
Anthony Fuller, P.Eng.	Roger van der Marel
Peter Galbraith, P.Eng.	Roger Warren, P.Eng.

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
- ❖ 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.
- ❖ Met with the North Vancouver Chamber of Commerce to discuss the opportunity to promote consulting engineering companies and QBS to a select group of clients on the North Shore.
- ❖ Met with the BC Roadbuilders and Regional Engineers Advisory Committee to voice concerns and discuss opportunities with the intention of improving the design and construction of municipal infrastructure projects. Additional meetings will be held on a bi-annual basis.
- ❖ Participate and assist with the coordination of the MMCD-MED Joint Annual General Meeting.
- ❖ Review and update of the Municipal Engineering Committee terms of reference.

Planned work for next year:

- ❖ Meet with selected municipalities to present our recommendations for procurement and contract language.
- ❖ 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
 - Squamish/Whistler/BCMOTI (New mixer)
 - Port Moody/Port Coquitlam/Coquitlam
 - North Shore

Municipal Engineering Committee Members

Yariv Ben-Shooshan, P.Eng. (Chair)	
David Moschini, P.Eng. (Vice-Chair)	
Arash Masbough, P.Eng. (Chair, Metro Vancouver Liaison)	
Todd Bowie, P.Eng.	Colin Kristiansen, P.Eng.
Borg Chan, P.Eng.	Nav Sandhu, P.Eng.
Adrian Corlett, P.E.	Raya Smertina, EIT (YPG)
Michael Florendo, P.Eng.	Roger Warren, P.Eng.
Simpson Hong, P.Eng.	Marc Winer, 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.

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

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.

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 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 Roadbuilders);
- ❖ The introduction of specialized training in 2018 for potential MMCD Referees.

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 Representative on the MMCD Board of Directors

Carol Campbell, P.Eng., PMP

Resource and Energy Committee



Annual Report submitted by
Patrick Korner, P.Eng.
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 2017-2018, this mandate was largely supported by the ACEC-BC/ BC Hydro Procurement Subcommittee, as no major issues or discussion topics were raised throughout the year.

ACEC-BC / BC Hydro Procurement Subcommittee

Chaired by Bruno Bagnères, the subcommittee 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 2017-2018, the procurement subcommittee was active in meeting with BC Hydro representatives, soliciting information on upcoming opportunities, and facilitating market sounding efforts by BC Hydro to ACEC-BC member firms.

Mining Subcommittee

Chaired by Lara Reggin, the subcommittee 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 subcommittee was inactive in 2017-2018.

2017-2018 Committee/Subcommittee Activities

- ❖ Committee chair presentation to ACEC-BC Board of Directors held on March 1, 2018, on summary of current committee membership and activities, as well as opportunities for further engagement / interaction with Provincial Government. Arising from this was an opportunity to meet with personnel from BC Government Environmental Assessment Office to understand questions and issues surrounding current Professional Reliance model.

- ❖ Breakfast session held on February 23, 2018 with Robert Schubak, Engineering Division Manager, Generation Civil Design, BC Hydro, on Safety by Design Expectations for Consultants – Overview, application from a design perspective and current focus.
- ❖ Several information sessions (in-person as well as via conference call) held by BC Hydro to share information / planning of upcoming major procurement opportunities (Complex Design Engineering, Repeatable Design Engineering, and Resource Augmentation).

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 Subcommittee)

Lara Reggin, P.Eng. (Chair, Mining Focus Subcommittee)

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 Subcommittees to the transportation industry including:

- ❖ BCMoTI (TRAN) Liaison Committee-at-large
- ❖ TransLink Liaison
- ❖ Bridge Subcommittee
- ❖ Climate Change Policy Subcommittee
- ❖ Quality Assurance Subcommittee
- ❖ eRISP Subcommittee

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, held on January 30, 2018 was the largest to date, and plans are underway for next year's conference. Progress in several areas has been made:

- ❖ eRISP Subcommittee 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 reporting of assignments awarded through eRISP has been improved. Discussion is ongoing on how to improve the reporting of as-and-when contracts.
- ❖ 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 2018, and the final version will be released after the review. ACEC-BC is working with TRAN to improve knowledge and provide training on how to prepare climate change resilient designs.
- ❖ Bridge Discipline Subcommittee: topics of discussion have included: succession planning (draft letter prepared regarding consultants and TRAN working together); upcoming guidelines and seismic performance criteria; earthquake response and emergency response; digital sealing and numerous other topics.
- ❖ Geotechnical Design Criteria: A subcommittee of ACEC-BC members are reviewing the TRAN updated geotechnical design criteria and will provide recommendations to the Ministry.
- ❖ Insurance Specifications INS-132: Concern was raised that "Additional Named Insured" provides administrative rights to TRAN, which is not TRAN's intent. It was agreed to just name the policy holder as "first named insured" (has administrative rights), and TRAN would be the second named insured.
- ❖ PTOE Sign-off of Traffic Management Plans: ACEC-BC and TRAN agreed to better define relevant experience for preparing complex traffic management plans and it will not be necessary to have PTOE designation.
- ❖ 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.

BCMOTI Liaison Steering Committee

Maurizio Ponzini, P.Eng. (Chair) Christian Babuin, P.Eng.
 Paul Evans, P.Eng. (Secretary) Efrosini Drimoussis, P.Eng.
 Pat Cruickshank, P.Eng. (Past Chair) Gregg Singer, 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
Mike Dickens, 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:

- ❖ ACEC-BC *Engineering Fee Guidelines* review and update;
- ❖ *Budgeting Engineering Services Guidelines for Infrastructure and Transportation* document update, approval by EGBC and posting on ACEC-BC website;
- ❖ Provided input into EGBC's Task Force on Corporate Practice
- ❖ Initiated discussions on *Relationship Based Consultant Selection Process* paper, including member survey on costs and time associated with writing proposals;
- ❖ Review of new *Use of Seal* document from EGBC and preparation of paper summarizing the changes (in progress);
- ❖ *Engineers as Prime Contractor Under Workers Compensation Act* position/awareness paper (in progress); and
- ❖ *Standard Short Form Consultant-Subconsultant Services Agreement* (in progress).

Ongoing committee initiatives include:

- ❖ Annually update the ACEC-BC Engineering Fee Guidelines;
- ❖ Update *Budgeting Engineering Services Guidelines for Buildings* document with the Building Engineering Committee;
- ❖ Initiate dialogue with INAC on procurement procedures; and
- ❖ Maintain liaison with MMCD, EGBC Consulting Practice Committee and YPG.

Future initiatives may include position papers on:

- ❖ Intellectual Property for P3 projects;
- ❖ Sharing of CADD files (to Owners, Architects, Subconsultants);
- ❖ Engineering Fees associated with P3 projects.

Business Practice Committee Members

Mike Dickens, P.Eng. (Chair) Steve Croxford, P.Eng.
 Jeremiah Boucher, P.Eng. Frank Liu, P.Eng.
 Kelvin Carey, P.Eng. Kip Skabar, P.Eng.
 Brian Chatwin, P.Eng.

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 2017-2018 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. This year also 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 six 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 six times per year 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 2017-2018 year, ACEC-BC welcomes the following new Corporate Members:

- ❖ Allnorth Consultants Limited
- ❖ Entuitive
- ❖ Hedgehog Technologies Inc.
- ❖ Omni Engineering
- ❖ Pinchin Ltd.
- ❖ Westmar Advisors Inc.

For the 2017-2018 year, ACEC-BC welcomes the following new Associate Members:

- ❖ Autodesk
- ❖ INNOVIA Partners
- ❖ Peter Kiewit Sons ULC
- ❖ Metrix Professional Insurance Brokers

For the 2017-2018 year, ACEC-BC welcomes the following new Client Members:

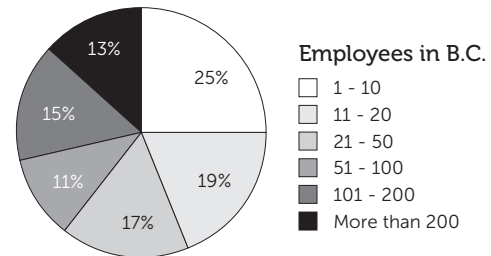
- ❖ City of Burnaby
- ❖ City of Coquitlam
- ❖ City of Kelowna
- ❖ City of Surrey
- ❖ Township of Langley
- ❖ TransLink

Committee Members

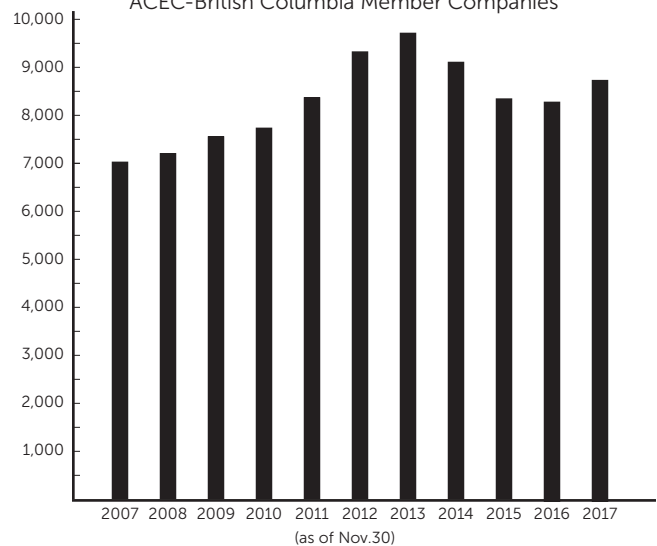
Jeff McLellan (Chair)
 Kevin Leggett, P.Eng. (YPG)

Monika Minar
 Marc Winer, P.Eng.

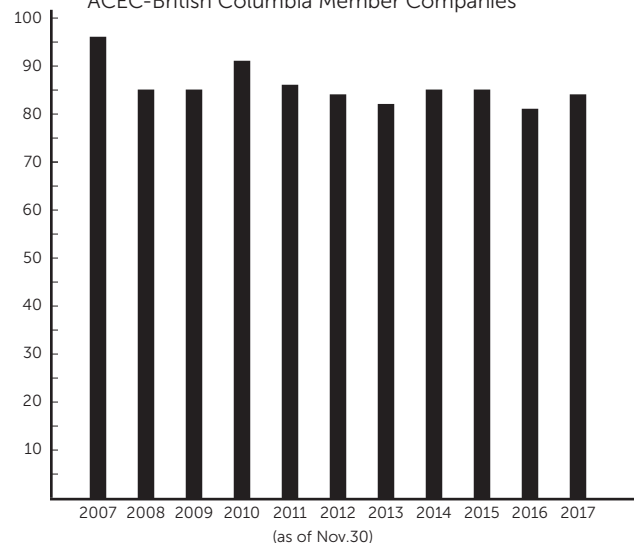
Profile (percentage of firms) by Total B.C. Employment
 ACEC-British Columbia Member Companies



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:

- ❖ Growing Effective Managers
- ❖ Culture Drives an Organization through HR
- ❖ Recruiting and Retention – How to Find and Keep Human Capital
- ❖ What you Need to Know about Quality Management
- ❖ Navigating Difficult Conversations – Counter-Intuitive Strategies for Dealing with Challenging Situations
- ❖ Effective Government Relations
- ❖ Financial Statement Analysis for the Non-Accountant

The Committee also supports ACEC-BC's initiative to develop a Leadership in Consulting Engineering Certificate Program. The program was launched in April 2018.

The Committee is planning the following topics for the 2018/2019 season:

- ❖ Navigating Difficult Conversations
- ❖ Contract Language
- ❖ Financial Statement Analysis
- ❖ Leadership: Core Skills Development
- ❖ Time Management

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) Selena Wilson, P.Eng.
Scott Campbell, P.Eng. Tijana Smiljanic, P.Eng.
Selina Fong, P.Eng. Daniel Tillie, P.Eng. (YPG)

Human Resources Committee



Annual Report submitted by
Cindy Shaw
Chair, Human Resources Committee

The Human Resources Committee provides a forum for the exchange of information about issues involving employees in the consulting engineering sector. The Committee's work over the past year addresses current and emerging issues, including:

- ❖ Development of innovative solutions to dealing with anticipated skill shortages facing ACEC-BC members
- ❖ Assessment of Labor Market information relative to member issues and emerging trends
- ❖ Working with the Young Professionals Group (YPG)

Highlights from the latter half of 2017 include:

- ❖ Providing general HR Lunch & Learn sessions for Small Firm Council members on basic HR topics such as recruitment, retention, and employee relations.
- ❖ Formation of a subcommittee for Equity, Diversity and Inclusion (EDI) to explore topics and best practice in these areas.
- ❖ In-depth exploration of government and association programs that provide resources towards attraction and qualification of candidates immigrating to Canada as a potential source of replacement for workforce attrition in BC.

The committee has added an additional area of focus for 2018 to include the exploration of the challenges of talent retention within the lower mainland in the current housing market conditions and rising cost of living. As we gather information and best practice details on our focus items we look forward to continuing to share this knowledge with the ACEC-BC membership. We have enjoyed continual growth this past year as a committee and continue to welcome new members.

Committee Members

Cindy Shaw (Chair) Stacey Kons
Sharon Batchelor Polina Kouzmina
Colleen Bereford Shiva Lofti
Helen Chan, P.Eng. David Poon
Elaine Chong Karen Savage, P.Eng.
Svetla Dobрева Sumita Tayal
Arthur Docherty Amy Tsou
Suki Gill, P.Eng. (YPG) Parinaaz Udwadia
Nicole Gomes Julian Vasquez, P.Eng.
Tyla Hay Ken Wiecke, P.Eng.
Maxine Kahlone Christina Zimmerman

Young Professionals Group



Annual Report submitted by
David Marchand, 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 32 of British Columbia's brightest young professionals. We are organized into an overarching provincial committee, four regional subcommittees (based out of the Lower Mainland, Vancouver Island, Okanagan, and Prince George), 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 of 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 Second Annual YPG Conference

Held on May 31 and June 1, 2018, the YPG Conference included one full day of speaker sessions, preceded by an after-work business strategy and networking 'Happy Families' workshop. The conference themed 'fast forward fifteen' was a great success and sold out in both registrations. Attendees and speakers provided positive feedback, and the financial result was a net profit for the association..

Breakfast Seminars

- ❖ Business Development for Engineers (Northern)
- ❖ Project Teams: Leveraging Strengths and Maximizing Impacts (Okanagan)
- ❖ Importance of Getting a Variety of Work Experience (Lower Mainland)
- ❖ Understanding Dynamics of Risk in Design (Lower Mainland)
- ❖ Policy Breakfast and ACEC-BC Introduction (Northern)
- ❖ Design Consultants and Professional Liability (Vancouver Island)
- ❖ Unconscious Bias Seminar (Lower Mainland)
- ❖ Question, Collaborate, and Innovate: Becoming a change maker (Okanagan)
- ❖ Managing Large-Scale Construction Projects (Vancouver Island)
- ❖ How to be Successful with Municipal Clients (Okanagan)
- ❖ Keep Calm, Retire Well (Vancouver Island)
- ❖ How to Be Engaged in Your Career (Lower Mainland)

Networking Events

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

Participation in Student Outreach Events

- ❖ **BCIT**: 'Panel & Pub' industry connection event; CSCE Professional Night; Industry-Student Pub Night
- ❖ **UBC**: Engineering Co-op Junior Reception; Engineering Career Fair; APEGBC Industry Night
- ❖ Active participation and recruitment for the **UBC** Tri-Mentoring 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

As previously noted, the YPG Steering Committee continues to ambitiously develop and grow. Short- and long-term planning is therefore vital to the success of this committee. There are a number of internal initiatives in place in order to stay organized, focused, and motivated, which include:

Short-Term Planning

SMART (specific, measurable, attainable, relevant, and timely) goals were established by each committee member at the beginning of the year. These goals were then revisited and revised throughout the year to ensure all initiatives and events were bringing value to ACEC-BC's member firms and the members of the YPG Steering Committee.

Long-Term Planning

The initiatives identified in our ongoing three-year plan (2017-2020) continue to move forward. This plan provides ideas and guidance for future YPG Committee members. There are 10 initiatives in the three-year plan, such as expanding on the Annual YP Conference, continuing to expand to smaller communities of BC, continuing to expand on networking events with external groups, and increasing awareness and support for equality in gender and diversity in engineering.

Inaugural Young Professionals Retreat

To ensure YPG Steering Committee members were aligned and aware of ACEC-BC initiatives, we hosted our inaugural retreat to discuss the goals of the association, goals of the Board of Directors, and develop key initiatives to further our three-year plan.

The ACEC-BC YPG Steering Committee members should be incredibly proud of what has been accomplished this year. 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. It is important to note that the continued support of the ACEC-BC office (particularly Lia Spidlen) is vital to the success of the YPG.

2017-2018 YPG Provincial Steering Committee

Chair: David Marchand, P.Eng.
 Vice-Chair: David Ellis, P.Eng.
 Past Chair/ACEC YPN Chair: Siobhan Robinson, P.Eng.
 Communications: Jeff Vanden Eerenbeemt, P.Eng.
 PD/Education: Ray Smertina, P.Eng.
 Equality/Diversity/Inclusivity: Cheryl Gomes, EIT
 Conference Chair: Pia Abercromby, P.Eng.
 Lower Mainland: Joey Chiu, P.Eng.
 Vancouver Island: Max Scruton, P.Eng.
 Okanagan: Robyn Sherstobitoff, P.Eng.
 Northern Group: Robert Teetaert, ASCT
 ACEC YPN Representative: Dani Delaloye, P.Eng.

2017-2018 YPG Committee Representatives

ACEC-Canada YPN Tijana Smiljanic, P.Eng.
 Municipal Engineering Raya Smertina, P.Eng.
 Metro Vancouver Liaison Cheryl Gomes, EIT
 Business Practice Jessica Wilson, EIT
 Transportation Pia Abercromby, P.Eng.
 Transportation Katherine Miller, P.Eng.
 Building Engineering Graham Lovely, P.Eng.
 Resource and Energy Dani Delaloye, P.Eng.
 Membership Affairs Kevin Leggett, P.Eng.
 Professional Development Daniel Tillie, P.Eng.
 Human Resource Suki Gill, EIT
 Small Firm Council Jeff Vanden Eerenbeemt, P.Eng.

Lower Mainland Subcommittee

Joey Chiu, P.Eng. (Chair) Graham Lovely, P.Eng.
 Stephen Bertulli, P.Eng. David Marchand, P.Eng.
 Dani Delaloye, P.Eng. Katherine Miller, P.Eng.
 Kevin Leggett, P.Eng. Jessica Wilson, EIT

Vancouver Island Subcommittee

Max Scruton, P.Eng. (Chair) Colin Davis, P.Eng.
 David Ellis, P.Eng. David Palmer, EIT
 Caroline Silins, EIT David Walking, P.Eng.

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Robyn Sherstobitoff, P.Eng. (Chair) Steven Cheek, EIT
 Jason Foster, P.Eng. Yolanda Moser, EIT
 Justin VannPashak, EIT

Northern Group Subcommittee

Robert Teetaert, ASCT (Chair) David Gerein, EIT
 Kate Houston, EIT Robert Mankowske, P.Eng.
 Vicki Pistner, EIT

Small Firm Council



Annual Report submitted by
David Collings, 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:

- ❖ Update on the Engineers and Geoscientists BC's initiative to mandate corporate regulation for all organizations involved in engineering, and the likely impact on small firms;
- ❖ Federal tax reform for small businesses and implications for small engineering business practices;
- ❖ Work in the USA and internationally, and what small firms should know;
- ❖ A discussion on operating capital requirements and financing best practices; and
- ❖ Human resource and recruitment for small businesses.

We also hosted a winter social in January for small firms, their partners and clients. Next year we plan to discuss a number of interesting topics, including:

- ❖ An open discussion on software tools for small engineers, including short presentations from committee members on choosing and using software, what works and what does not;
- ❖ Buying and selling your business;
- ❖ Enforceable contracts and collecting fees; and
- ❖ Any new topic that is requested by the members.

This 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 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, P.Eng. (Chair)	Jeff McLellan
Mark Anderson, P.Eng., Struct.Eng.	Justin Pezzin, P.Eng.
Philip Buchanan, P.Eng.	Hana Prilesky, P.Eng.
Brian Chatwin, P.Eng.	Jerry Prilesky, CTEch
Colin Commandeur, P.Eng.	Karen Savage, P.Eng.
Jeremy Cooke, P.Eng.	Morris Signorelli
Jeff Vanden Eerenbeemt, P.Eng. (YPG)	Tim Stanley, P.Eng.
Daniel Fung, P.Eng.	Ross Tuck, P.Eng.
Houman Ghalibafian, P.Eng.	Julian Vasquez, P.Eng.
Brett Halicki, P.Eng.	Trevor Whitney, P.Eng.
Jatinder Hayer, P.Eng.	

ACEC 2017 Year in Review



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

ACEC is the voice for consulting engineers on Parliament Hill

Throughout 2017, ACEC continued to speak out a host of national issues to create a stronger business climate for its members. We opposed punitive corporate tax changes by the federal government, promoted timelier infrastructure investment, and responded to major announcements in the natural resource sector. Here's a snapshot of what we accomplished:

Infrastructure – Show us the \$\$\$

ACEC-Canada continued to tell elected officials that Canada's economy depends on long-term, predictable infrastructure investment, and getting infrastructure underway as quickly as possible. Both the Parliamentary Budget Officer (PBO) and the Senate Committee on National Finance agreed there is a need to accelerate infrastructure investments and streamline the application process. The PBO outlined that of the \$13.6 billion for fiscal years 2016–2018 announced in Budget 2016, departments have only identified \$4.6 billion worth of projects. While departments have committed to spending all the allocated funds within the time frame provided, the data indicates that there remains a significant gap.

Even prior to PBO and Senate reports, I met one-on-one with Members of Parliament on the House of Commons Transportation, Infrastructure and Communities Committee to share the industry's concerns and offer its advice and assistance in making the federal infrastructure program more effective. In May, I also met with the Minister of Infrastructure and Communities, the Honourable Amarjeet Sohi, to raise these concerns directly. The Minister's office agreed to consult with ACEC-Canada and other stakeholders to ensure the effective and timely roll out of Phase 2 of the Government's Infrastructure Plan, which the March budget confirmed would require additional rounds of negotiations with the provinces.

Although we are pleased with the federal government's commitment to infrastructure investments of \$186 billion over the next twelve years, we look forward to working with the Transportation, Infrastructure and Communities Committee and Infrastructure Canada on the implementation of the infrastructure program. While the consulting engineering sector would benefit from a more effective and efficient program, the real beneficiaries of infrastructure investments are Canadians, the Canadian economy and the environment.

Fighting for fair tax treatment of ACEC members

With a coalition of over 80 business associations, ACEC-Canada helped force the government to reconsider changes to how Canadian-controlled private corporations (CCPCs) are taxed. These changes, as originally proposed by the Minister of Finance in July, could have adversely impacted many family and employee-owned consulting engineering companies. They included restricting income splitting using private corporations, removing the tax deferral advantage of passive investments, and disallowing a private corporation to convert regular income into capital gains. Having clearly heard the concerns of the business community, the federal government made concessions to their original proposal; it now proposes

to allow private corporations to convert regular income into capital gains and it will allow passive investments of up to \$50,000 per year. They will also reinstate the promised reduction of the small business tax rate to 9% by 2019. These concessions are encouraging in that they suggest that the government is willing to continue dialogue with the business community.

In addition to supporting the business coalition led by the Canadian Federation of Independent Business (CFIB) and the Canadian Chamber of Commerce, I wrote to Minister Morneau explaining the impacts to our industry. I also raised members' concerns directly while testifying before the House of Commons Finance Committee in September. ACEC-Canada also issued two alerts to its membership with a "call to action" inviting them to write their MPs.

ACEC-Canada and its coalition partners do support tax reform and have offered to work collaboratively with the federal government to achieve fairness in the tax system. We will continue to leverage our relationships with the Finance Minister and his staff to ensure our members are represented in this important discussion.

Standing up for Canada's resource sector

Although critical to Canada's prosperity, the resource sector has become politically contentious for some Canadians. Our message to Canadians and MPs is that consulting engineers can help the resource sector be economically viable as well as socially and environmentally responsible. I delivered a strong message to support and work collaboratively with Canada's resource sector to members of the House of Commons Committee on Natural Resources. The committee members were extremely interested in ACEC-Canada's support for a national infrastructure and transportation corridor. In collaboration with the office of Senator David Tkachuk, Chair of the Senate Committee on Banking, Trade and Commerce, ACEC-Canada hosted a panel discussion on a national infrastructure right-of-way across Canada's north and mid-north at the national leadership conference in October. Senator Tkachuk was joined by Chief Corinna Leween, Vice-Chair of the First Nations Major Projects Coalition, John Van Nostrand, an architect and urban planner, and Andrei Sulzenko of the University of Calgary, who published the original report on this nation building concept. Senator Tkachuk and I collaborated on further socializing the utility and transportation corridor idea by co-authoring an op-ed that was published in late August.

ACEC-Canada will continue to support its members who work in the natural resources sector through continued collaboration with the Senator, the Resource Committee and other stakeholders in the sector.

Looking Ahead – What to expect in 2018

ACEC-Canada is gearing up for another busy year. The team is already working on exciting projects that will be launched in 2018 to further support our strategic priorities. Stay tuned for details on what to expect from your national association in the New Year!

ACEC-British Columbia Events

Since the 2017 Annual General Meeting ACEC-British Columbia has held a total of 50 events (not including 19 smaller social events) –

June 13	Small Firm Council – <i>Human Resources for Small Firms</i>
June 15	What you Need to Know about Quality Management
June 22	Future Labour Demand in BC
June 23	Vancouver YPG Breakfast Seminar <i>Making a Difference: Sustainable Design Considerations</i>
August 23	United Way Breakfast Meeting
September 12	9th Annual Okanagan Golf Tournament
September 19	Small Firm Council – <i>Work in US & International Markets</i>
September 26	Recruitment and Retention – How to Find and Keep Your Human Capital
September 27	Business Development for Engineers (Prince George)
September 27	Powerex Mixer
October 5	Richmond/Delta Mixer
October 17	Burnaby/New Westminster Mixer
October 26	Navigating Difficult Conversations
October 31	Effective Government Relations
November 2	Commodity Market Outlook 2017-18
November 8	ACEC-BC Fall Reception (Victoria)
November 23	City of Vancouver Mixer
November 28	Small Firm Council – <i>New Federal Tax Reform for Small Businesses</i>
November 28	Okanagan Mixer – <i>2017 Flooding: “Why So High?”</i>
November 30	Holiday Mixer
December 5	Working with BC Hydro as a Service Provider
December 6	Fraser Valley Mixer
December 7	Kelowna YPG Breakfast Seminar – <i>Project Teams: Leveraging Your Strengths and Maximizing your Impact</i>
December 8	Vancouver YPG Breakfast Seminar – <i>The Importance of Getting a Variety of Work Experience</i>
December 13	Financial Statement Analysis for the Non-Accountant
January 18	Small Firm Council Winter Social
January 19	Vancouver YPG Breakfast Seminar – <i>Understanding the Dynamics of Risk in the Design Industry</i>
January 30	2018 Transportation Conference <i>Highways and New Ways</i>
February 6	TransLink Mixer
February 7	Prince George Policy Breakfast / YPG Event
February 8	Victoria YPG Breakfast Seminar – <i>Design Consultants and Professional Liability: Why You Might Be Sued</i>
February 20	How to protect you and your firm: What to look out for in Agreements
February 21	Unconscious Bias Seminar
February 23	BC Hydro Breakfast Seminar – <i>Safety by Design, Part II</i>
March 3	The Great ACEC-BC Scavenger Race (for United Way)
March 6	Small Firm Council – <i>Financing Operations and Working Capital Requirements for Small Businesses</i>
March 8	Kelowna YPG Breakfast Seminar – <i>Question, Collaborate, and Innovate: Three critical strategies to becoming a change maker in your organization</i>
March 20	Langley/White Rock Mixer
April 5	Victoria YPG Breakfast Seminar <i>Managing Large-Scale Construction Projects</i>
April 7	2017 Awards for Engineering Excellence
April 12	Kelowna YPG Breakfast Seminar <i>How to be Successful with Municipal Clients</i>

April 24	Small Firm Council Meeting – <i>OQM Requirements and other Updates from Engineers and Geoscientists BC</i>
April 26	Leadership Program <i>Business Development for Engineers</i>
May 3	Metro Vancouver Mixer
May 9	ACEC-BC Lower Mainland Golf Tournament
May 16	City of Surrey Mixer
May 17	Leadership Program <i>Effective Business Communications</i>
May 24	Victoria YPG Breakfast Seminar <i>Motivations for a Career in Progress</i>
May 30	Vancouver Island Mixer
May 31	ACEC-BC Young Professionals Conference (2-day)

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 (*new for 2018*)

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:

August 14 – 30	Coquitlam City Hall
September 12 – 19	Aberdeen Centre
September 22 – 29	Science World
November 6 – January 27	District of North Vancouver
January 15 – 21	Tsawwassen Mills
January 30	Transportation Conference 2018
February 26 – March 14	Guildford Town Centre
March 19 – April 3	BCIT Burnaby Campus
April 7	The Westin Bayshore

Transportation Conference

Highways and New Ways

Transportation Conference 2018

ACEC-British Columbia worked with the Ministry of Transportation and Infrastructure, and TransLink to develop **Highways and New Ways**, a one day conference focused on key historical factors driving the development of BC's transportation systems, and where we may be going in the future. Held January 30th, 2018 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 Fraser River paddleboat tour
 - BC Place Stadium tour
 - TRIUMF - Canada's particle accelerator centre
- ❖ morning Ministry/Consultant workshops including:
 - Succession Planning and Knowledge Transfer
 - Communicating Engineering Outside of Your Field
- ❖ luncheon presentations by keynote speakers Mike Harcourt, former Premier of British Columbia, former Mayor of Vancouver; and Dan Doyle, P.Eng., former BC Deputy Minister of Transportation
- ❖ afternoon sessions in two streams – *Roads*, and *Rail*.
- ❖ reception and Deputy Minister's Awards Dinner.

18th 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 9th, 2018. A portion of the tournament proceeds are donated to Make-A-Wish® Foundation of British Columbia and Yukon.



9th Annual Okanagan Golf Tournament

ACEC-British Columbia held the eighth Okanagan Golf Tournament at Harvest Golf Club on September 12th, 2017. 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:

- Aecon Group
- Allnorth
- Aplin & Martin Consultants
- Applied Science Technicians & Technologists of BC
- Armtec
- Associated Engineering (B.C.) Ltd.
- Ausenco
- B&B Contracting Group
- BA Blacktop
- Bauer Foundations Canada
- Bay Wealth Management / Investors Group
- BC Institute of Technology
- BC Road Builders and Heavy Construction Association
- BFL Canada Insurance Services
- Binnie Consulting
- Canada Culvert
- Canadian Home Builders' Association – Central Okanagan
- CanCADD Imaging Solutions
- Cobra Electric (South Coast) Ltd.
- COWI
- Dentons Canada LLP
- DMD & Associates
- DSI Dywidag Systems International
- Edelman
- EMC Mortgages
- ENCON Group
- Engineers & Geoscientists BC
- Flatiron
- Great Northern Engineering Consultants
- Harper Grey LLP
- Hatch
- The Humphrey Group
- IBI Group
- ISL Engineering and Land Services
- Jacob Bros. Construction
- Jardine Lloyd Thompson Canada
- Jensen Hughes Canada
- Kerr Wood Leidal Associates
- Klohn Crippen Berger
- The Langley Concrete Group
- Lauren Engineers & Constructors
- Peter Kiewit Sons ULC
- Marsh Canada
- McElhanney Consulting Services Ltd.
- Metrix Professional Insurance Brokers / XL Catlin Insurance
- Morrison Hershfield
- Mott MacDonald
- Norton Rose Fulbright Canada LLP
- Park Insurance
- PBX Engineering
- Port of Vancouver
- Retro Specialty Contractors
- Singleton Urquhart Reynolds Vogel LLP
- Smith Brothers Wilson
- SNC-Lavalin
- Southern Interior Construction Association
- Stantec
- Surety Association of Canada
- Tetra Tech Canada
- TEXCAN
- Thurber Engineering
- TransTech Data Services
- Twining, Short & Haakonson
- TYBO Contracting Ltd.
- UBC Master of Engineering Leadership Program
- Urban Development Institute – Okanagan Chapter
- Urban Systems Ltd.
- Westcomm Pump
- Winvan Paving, a division of Mainland Construction Materials
- WSP Canada

Awards for Engineering Excellence

Since its inception 28 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 520 guests joined us in celebrating the engineering achievements of ACEC-BC members. The 42 submissions in the awards competition were on display at the gala, launching the 2018 Road Show that tours venues around the province throughout the year.

Awards of Excellence

- ❖ Tallwood House at Brock Commons
Fast + Epp
- ❖ Permanent Canal Closures and Pumps Project
Stantec
- ❖ Angus L. Macdonald Bridge Suspended Spans Superstructure Replacement – “The Big Lift”
COWI
- ❖ Inuvik/Tuktoyaktuk Highway
Tetra Tech Canada Inc. and Stantec
- ❖ YVR Flywheel Energy Storage & Airfield Critical Power System
WSP | Opus
- ❖ Cowichan River Flood Protection Program
Parsons
- ❖ Vancouver Convention Centre West - Strategic Sustainability Consulting and Project Management
WSP Canada
- ❖ YVR Apron VI LED Lighting Upgrade
Omni Engineering

Awards of Merit

- ❖ Seismic Upgrade Using External Buckling Restrained Bracing
Ausenco
- ❖ Ladysmith Wastewater Treatment Plant
WSP | Opus
- ❖ Vedder Bridge Replacement Design Build Project
Klohn Crippen Berger
- ❖ Veer Kunwar Singh Setu
McElhanney Consulting Services Ltd.
- ❖ Brucejack Mine Power Transmission Line
Stantec
- ❖ Salmon River Diversion Decommissioning
Klohn Crippen Berger
- ❖ Semi-Automated Roadway Corridor Asset Inventory Collection
Tetra Tech Canada Inc.
- ❖ Service Sustainability Assessment Tool for Canadian Communities
Urban Systems Ltd.
- ❖ Pachena Point Lighthouse Restoration
Goal Engineering Ltd.

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 *Fast + Epp* for the **Tallwood House at Brock Commons**.



photo credit: Seagate Structures

The TallWood House at Brock Commons is an 18-storey, 400-bed student residence on the campus of the University of British Columbia. Reaching 53 metres, it has been recognized as the tallest mass timber hybrid building in the world. Fast + Epp were the structural engineers, working in conjunction with Acton Ostry Architects and Hermann Kaufmann Architekten.

To meet challenging budget and schedule requirements, Fast + Epp developed a “common sense” design, hybrid structure respecting the best characteristics of wood, concrete and steel.

The building consists of 17 storeys of five-ply cross laminated (CLT) floor panels, point-supported by glued, laminated timber columns, all resting on a concrete transfer slab at level two. Two full-height concrete cores provide the lateral stability.

By using the two-way spanning capabilities of CLT, the beams of a classic post-and-beam system were eliminated, along with labor-intensive connections, dramatically reducing fabrication time, erection time, and costs. It is the largest application of two-way point supported CLT in the world, demonstrating design innovation with this unique construction material.



photo credit: Brudder, naturallywood.com

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 in 2018 is **Ahmet (Met) Ulker**, P.Eng., FEC, LEED BD+C, AES Engineering Ltd.

Met obtained his Bachelor of Applied Science degree in Electrical Engineering from Middle East Technical University in 1976.

A chance encounter with two Canadians backpacking near his hometown of Tire piqued his interest in opportunities abroad. With an adventurous spirit, Met emigrated from Turkey to Canada in 1981 and secured work in Calgary with stints at AME Engineering and Cheriton Engineering (acquired by Stanley Associates, precursor to Stantec). In 1984 he relocated to Vancouver to join Reid Crowther, where he successfully rebuilt the Vancouver office during the recession. Staff count had dwindled to a mere two persons, and through Met's business developments efforts and perseverance grew to a team of 40 strong.

One of Met's many strengths is his acumen for business, which he comes by naturally through his genuine desire to help and his remarkable ability to develop constructive professional relationships. In 2002, he moved on to Keen Engineering to open their electrical division and became a Director of the firm. After the sale of Keen to Stantec in 2005, Met became the Practice Leader for Stantec's Electrical/Mechanical/Structural/Energy and Sustainability Groups, overseeing a staff of over 200 in Vancouver.

In 2008, Met joined AES Engineering as a partner and was instrumental in opening the Vancouver office. In less than 10 years the office has grown to 60 staff. AES is now one of the largest consulting firm specializing in electrical engineering in Western Canada, with four locations including Calgary, Edmonton and Victoria and staff of 90 total.

Over the course of his career, Met has managed projects in Canada, Turkey, US, Japan, Mexico, Philippines, Malaysia and Mongolia. In 2010 Met was named a Fellow of Engineers Canada for his voluntary service and for his outstanding contribution to the engineering profession. His professional and community contributions include volunteering countless hours to Engineers and Geoscientists BC, and is an active member of BC Construction Roundtable (current President) and ACEC-BC, as well as helping many newcomers to Canada find work in their chosen profession through referrals within his network.

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 **Graham Lovely**, P.Eng, LEED® AP BD+C, Associate, MCW Consultants Ltd.

Graham joined MCW in 2009 upon graduation from his engineering undergraduate studies at UBC. A highly ambitious individual he has quickly taken on many technical and managerial responsibilities at MCW. Through his career progression from project engineer, to project manager, and then to Associate, Graham has worked hard to integrate himself into the fabric of MCW and is a role model for future leaders, long term employees and a strong brand ambassador.

Since joining MCW, much of Graham's work has been focused on projects for the Vancouver Airport Authority (YVR). MCW has been a trusted consultant of the airport for over 20 years, with dozens of projects ongoing at all times. As the leader of MCW's Airport Projects Group, Graham has not only made impressive strides in his electrical engineering knowledge, but has tackled the challenge of working and thriving in the enormous facility and enterprise of YVR. Current projects span both major terminals, separate service buildings, apron areas, and off-site. Graham is involved in most of these projects as either project manager or technical and managerial advisor. More recently Graham has begun to work with UBC on various projects throughout campus, focused on energy and infrastructure. Graham feels very honored to work with both YVR and UBC as they are central organizations in his community.

Graham works hard to balance his project commitments with the administrative demands of his office work. He has assumed responsibility for his office's electrical co-op student program, and is generous with his time to help on-board and orient new staff.

In terms of his community involvement, Graham is currently the chair of the ACEC-BC building engineering steering committee, and an active member of ACEC-BC's Young Professionals' Lower Mainland Subcommittee for student outreach. He is also tremendously active at UBC as a mentor to young engineers (mentoring four students in 2016/2017) and he participates in all manner of UBC co-op events and activities. He is very focused on nurturing and developing the next generation of engineers in the province and gives his time generously to his Alma Mater. Finally, his social stewardship work has included Microfinance, through Oikocredit Canada, and being a Board Member for St. Andrew's Wesley United Church.

Client of the Year Award

Coquitlam

The recipient of the 2018 ACEC-BC Client of the Year Award is the **City of Coquitlam**, in recognition of the City's outstanding support to the engineering consulting community in the areas of:

- procurement and delivery methodology that leads to clear scope;
- excellent change management;
- use of fair and balanced contracts;
- appropriate risk assessment management and allocation;
- encouragement of a culture of collaboration and team ethic;
- communication and relationship management; and
- engagement of the consulting engineering community

The City of Coquitlam has embraced qualifications based selection (QBS) for civil engineering design services. In 2017, the City used a combination of QBS and request for proposals (RFP) to procure \$5 Million in consulting engineering services. Every three years the City reaches out to the consulting community through a request for qualifications (RFQ) process to develop a list of firms that meet its requirements for engineering services. A structured RFQ process is used to keep the content of the submissions consistent and to allow for a fair evaluation that ensures the consulting engineering firms selected meet the City's requirements. Adopted by City Council, this QBS process selects engineering based on technical ability and project experience rather than a price driven evaluation process. Through this process, designs are developed in a collaborative manner. This prevents missed communications and opportunities that often result in rework. It provides clear scope definition, limiting scope changes and adjustments. The City's efforts to put value in qualifications makes it a preferred client by the consulting community and ensures that it will get top quality service and priority.

The City of Coquitlam is a valued partner to consulting engineers. They bring fairness to the procurement process, while ensuring that they retain the best qualified consultants for their assignments and the best value for the City. In an industry that is more and more price driven, and where engineering services are often viewed as a commodity, the City of Coquitlam is setting an excellent example of valuing the professional services that we provide via qualification based selection.



Treasurer's Report



Annual Report submitted by
Kevin Savage
 Vice-Chair/Treasurer
 ACEC-British Columbia

The Treasurer's Report summarizes the financial status of ACEC-British Columbia as of March 31, 2018, which is the fiscal year end of the organization. The report also provides a brief summary of the 2018-2019 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 2017-2018 fiscal year are as follows:

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

* includes amortization

Generally speaking the Association had a positive year financially. Membership was ahead of projections, thanks due a recovery in the resource sector and other factors leading to an increase in the total employment for several of our members. In addition we were able to attract a number of Corporate and Associate Members. Our events attracted a higher than projected number of attendees, which also had a positive impact on the financial performance.

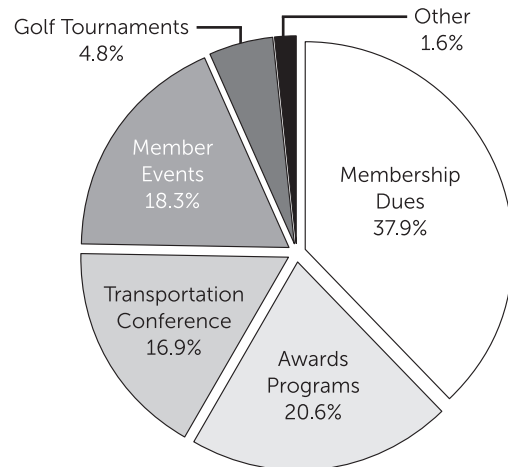
We continue to work hard to encourage new corporate and associate members to join the organization, which will reflect increased revenues from membership dues and increased participation at ACEC-BC events. As can be seen in the accompanying charts, the decision made by the Board several years ago to diversify revenue streams is having a beneficial impact.

Our total "N" number for 2016-2017 was 8,329. This reflected a decrease of about 0.2% from the previous year. It is important to note that we have had success in attracting associate members to ACEC-BC since 2015 with 17 Associate members currently enrolled. The participation of this segment of membership has benefited ACEC-BC in many ways, through access to advice and increased revenues from dues, attendance at member events, and event sponsorships.

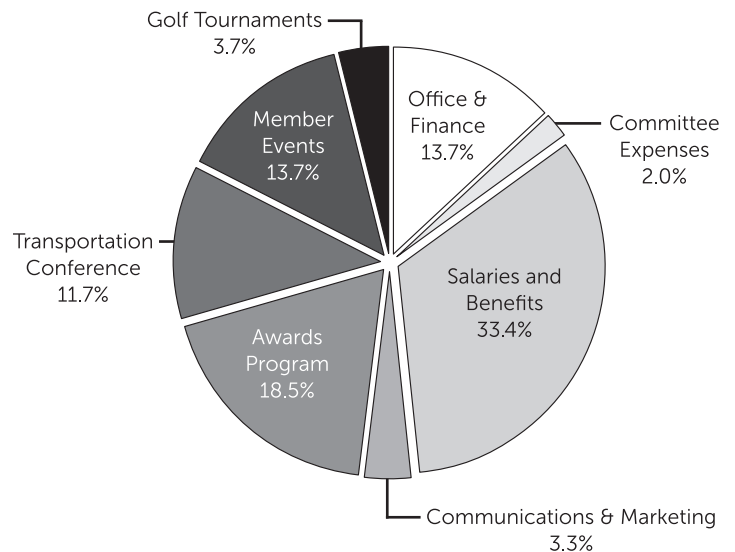
We are encouraged that the decline we have seen in recent years in the "N" numbers has reversed and many members are reporting increased "N" numbers compared to previous years.

The 2018-2019 fiscal budget approved by the board anticipates a total revenue of \$1,149,100 and total expenses (including amortization) of \$1,131,400 which would result in a surplus of \$17,700.

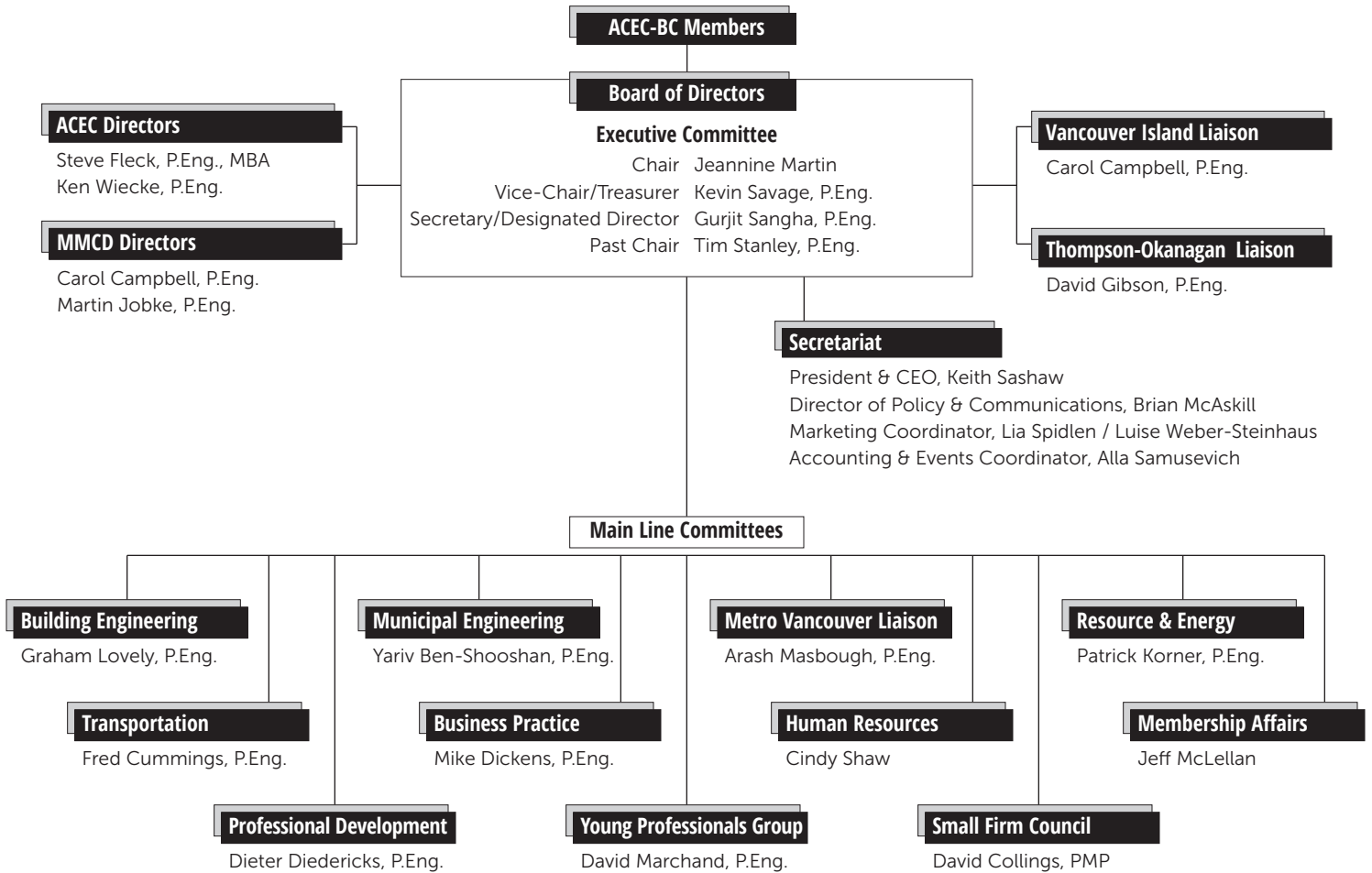
2017-2018 Revenue Sources



2017-2018 Expenditures



2017-2018 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

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AES Engineering
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Aplin & Martin Consultants Ltd.
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Ausenco Engineering Canada Inc.
BBA Inc.
Binnie Consulting Ltd.
Black & Veatch
Brown and Caldwell
Brown Strachan Associates
Bunt & Associates Engineering (B.C.) Ltd.
Bush Bohlman & Partners
Roy Campbell Ltd.
CDM Smith Canada
CH2M HILL Canada Limited / Jacobs
Chatwin Engineering Ltd.
CIMA Canada Inc.
Citiwest Consulting Ltd.
Collings Johnston Inc.
COWI
CTQ Consultants Ltd.
CWMM Consulting Engineers Ltd.
DIALOG
Dillon Consulting Limited
DMD & Associates Electrical Consultants
Entuitive
exp Services Inc.
Fast + Epp Structural Engineers
FERM Consulting Inc.
Frykberg Innovations Inc.
GOAL Engineering Ltd.
Golder Associates Ltd.
Great Northern Engineering Consultants Inc.
Gygax Engineering Associates Ltd.
Hatch
Hedgehog Technologies Inc.
Horizon Engineering Inc.
IBI Group
InterCAD Services Ltd.

ISL Engineering and Land Services
Jade West Engineering Co. Ltd.
Jensen Hughes Consulting Canada Ltd.
Kerr Wood Leidal Associates Ltd.
Klohn Crippen Berger Ltd.
Knight Piésold Ltd.
Koers & Associates Engineering Ltd.
Layton Consulting Ltd.
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