



ASSOCIATION OF CONSULTING
ENGINEERING COMPANIES
BRITISH COLUMBIA

Annual Report 2019-2020





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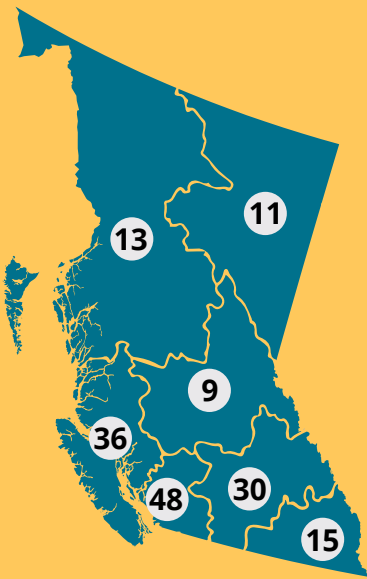


The Voice of Consulting Engineering Companies in BC since 1976.



ASSOCIATION OF CONSULTING ENGINEERING COMPANIES BRITISH COLUMBIA

162 member offices proudly serving every region in BC.



Who we are

Since 1976, the Association of Consulting Engineering Companies British Columbia (ACEC-BC) has been the voice of consulting engineering companies in BC. Our mandate is to advance the business interests of consulting engineering firms in BC by advocating for fair business practices and building awareness of the industry’s contributions to society and innovative technical expertise.

On behalf of our member organizations, our board of directors endorse our strategic direction and ensure our operations are guided by these principles.

Our purpose is to serve the interests of members through advocacy, creating opportunity for collaboration and building profile of members and the industry. Our member’s wisdom, societal contribution, and geographic reach lend credibility and gravity to this purpose.

Advocacy is our primary mission.

We are a consolidated voice for fair procurement practices, balanced contract language including proportional allocation of risk, and removal of barriers to efficient operation of our businesses in BC.

Values unite our members.

Our members and our governance act collaboratively to promote innovative thinking and investment in our community. Our words and actions ensure an inclusive environment: celebrating our diversity and striving for equity in all that we do.

Lets Connect!

-  acec-bc.ca
-  [/acec-bc](https://www.linkedin.com/company/acec-bc)
-  [@ACECBC](https://twitter.com/ACECBC)

80+ Member firms in BC	40+ Municipalities across BC	10k Employed British Columbians	\$4b Locally to British Columbia
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Charter of Membership

A Consulting Engineer is a professional advisor who provides engineering and other technology-based services. The role of the Consulting Engineer is to put expert knowledge at the disposal of the Client, and to serve the Client's interests, acting in good faith. The relationship between the client and the Consulting Engineer is based on mutual trust, respect, cooperation, and fairness.

ACEC-BC provides industry with leadership to build a positive business environment and serves society by promoting the engineering industry as a catalyst for the application of technology, improved quality of life, economic growth, and wealth generation.

ACEC-BC's vision is to build a strong consulting engineering industry, providing value and quality to society.

In order to create a strong engineering industry and a positive business environment, ACEC-BC must be the united voice that speaks for the industry and must foster a high level of unity and trust among its member firms.

In recognition of this goal, we, the undersigned as Managing Principals of the member firms of ACEC-BC, acknowledge the need to respect our relationships with each other. By affixing our signatures to this Charter, we affirm that membership in ACEC-BC is important to us and that our companies will uphold the aims of ACEC-BC and the following principles:

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-EGBC 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.

By upholding these principles, we will create a strong consulting engineering industry better able to serve the needs of our clients.

Signed in Vancouver by the Senior BC Managing Principals of the member companies of ACEC-British Columbia – June, 2015



2019-2020 Elected Directors

Role	Name	Company
Chair	Gurjit Sangha	WSP
Vice-Chair/Treasurer	Selena Wilson	Mott MacDonald
Secretary/Designated Director	Iain Ward	EXP
Director	Brian Yates	Stantec
Director	Chris Mealing	Mott MacDonald
Director	Derek Drummond	Stantec
Director	Doug Redmond	WSP
Director	Fred Cummings	Hatch
Director	Matt Gellis	Northwest Hydraulic Consultants
Director	Mike Chin	Klohn Crippen Berger
Director	Richard Bush	Binnie Consulting
Director	Rodger Welch	COWI
Director	Ryan MacPherson	SNC-Lavalin
Director	Suzanne Powell	Thurber Engineering

2019-2020 Ex-Officio Directors

Role	Name	Company
Past Chair	Kevin Savage	Tetra Tech
ACEC-Canada Director	Tim Stanley	Stratice Consulting
Associate Member Director	Jeff McLellan	BFL Canada
Municipal Engineering	Marc Winer	Dillon Consulting
Young Professionals Group	Dani Delaloye	Mott MacDonald

2019-2020 Executive Committee

Role	Name	Company
Chair	Gurjit Sangha	WSP
Vice-Chair/Treasurer	Selena Wilson	Mott MacDonald
Secretary/Designated Director	Iain Ward	EXP
Past Chair	Kevin Savage	Tetra Tech
President and CEO	Caroline Andrewes	ACEC-BC



Greater Vernon's Water System - An Innovation in UV Disinfection, WSP Canada, Lavington, BC

Chair's Report



Gurjit Sangha

Chair of the Board of Directors

Vice President, Infrastructure, Water & Wastewater, Western Canada, **WSP Canada**

It has been a big year for the Association of Consulting Engineering Companies – British Columbia. We accomplished a great deal, which would not have been possible without the support of the great ACEC-BC staff, Committee members, and an engaged Board with strong expertise to support our success.

Over the past year the Board in collaboration with ACEC-BC staff and Committees spent considerable effort to reassess our purpose, values, and strategy to optimize effectiveness for our membership. We reaffirmed our strongest value which energizes our membership; collaboration and working together for the advancement of our industry. A recent representation of this value is the engagement of ACEC-BC's members and partners supporting content for the COVID-19 Resource Centre. This initiative included participation from many member firms to assist members on managing a remote workforce, implementation of safety protocols, and office re-entry plans. Working together has allowed our industry to minimize disruption as we transitioned to working remotely. It is this same energy that allows us to further our industry and be the voice of consulting engineering in British Columbia.

During our Board retreat in September we set out to reaffirm the organizational strategy which included articulating our purpose. This process led to redrafting our Vision, Strategy, and alignment of our various committees

to improve engagement. Increasing connection across all our committees is important to further interconnect our members and drive innovation across the association.

The other area of focus at the Board retreat was to develop a comprehensive communication strategy to ensure consistency and optimal messaging to our membership and external clients. The strategy has been subtle but effective to date as you may have noticed the consistency of branding and reinforcing of our value proposition in our messaging. Relaunching of our website is planned over the next several months consistent with this strategy.

These changes are taking place while we continue to support the organization with ongoing advocacy and industry engagement through various events over the year including the MLA day, Deputy Minister Forum, QBS workshops, client meetings, the YPG conference, Transportation Conference, and various forms of client interaction.

Right now, things are different. Unlike past years we are unable to hold our events such as mixers or Awards Gala. During this difficult period ACEC-BC is continuing to modify and provide alternative means to support training, client, and other events by offering opportunities to meet virtually. Its important that we recognize the importance of ACEC-BC to the success of consulting engineering companies in British Columbia. With this in mind, I ask members to continue to support the organization during these difficult times both through continued participation within committees and attendance of our events.

It has been an honor to serve as Chair of the Board of ACEC-BC. I would like to thank our staff: Ben, Alla, Brian, Marcie and Caroline for making my life easy and keeping the organization running and putting on all the events during the year. Finally, I would like to thank all the members for allowing me this privilege.



A Balancing Act - Bringing the Bayonne Bridge into the Modern Age, McElhanney, New Jersey, USA

President's Report



Caroline Andrewes

President & CEO, **Association of Consulting Engineering Companies British Columbia**

Over the past year I had the opportunity to travel across the province to spend time with members and to engage with partners and policymakers. The resulting conversations were in large part an opportunity to build connection but served the additional purpose of informing the future of our Association.

While much of our operating calendar and program remained unchanged from prior years, members may have noticed a shift in tone, image, and strategy as we work together to remain relevant in the context of our changing society. Our relevance underpins our license and opportunity to influence policymakers and stakeholders and is paramount to the on-going health of ACEC-BC.

Better Together

Our purpose as the voice of consulting engineering in British Columbia is the advancement of the industry through advocacy, opportunity, and profile. We achieve this goal by working together to build a community of common interests. This purpose begins with the Board and our Committees and is reinforced by thousands of interactions between members and between members and partners that occur through ACEC-BC.

Policy

Our core policy efforts – fairness and transparency in procurement, proportional risk allocation, and the removal of barriers to efficient operations – continue to feature in the work we do every day. Our policy work is largely driven by our Committees as well as ad hoc working groups and individual members. Over the past year we have engaged in multiple conversations to advance critical policy issues and provided both formal and informal response on issues impacting our industry. Some examples include:

- **Builders' Lien Reform Project (BC Law Institute):** ACEC-BC provided feedback to the BCLI for inclusion in their Builders' Lien Act Reform Project.
- **Emergency Management Legislation (Ministry of Public Safety):** ACEC-BC members developed a response to the public engagement on modernizing BC's Emergency Management Legislation. The response supported adoption of a risk reduction framework and the development of a companion guideline for the Act.
- **Workers' Compensation Review (Ministry of Labour):** ACEC-BC and more than 40 other employer associations participated first in providing a response to the public engagement and later to withdraw as a result of perceived bias in the review. Significant media coverage resulted from the collaboration.
- **Equity, Diversity & Inclusion:** In 2019 we added Marcie Cochrane to our ACEC-BC team to support thought leadership projects that provide our members with relevant content that helps in achieving their goals to engage diverse teams and build inclusive cultures.

- **Standard Form Contracts** (Government of BC, MMCD, CCDC): ACEC-BC members contributed to on-going efforts to support standard form contracts with public sector clients. During the past year ACEC Canada successfully negotiated the adoption of ACEC-31 by the CCDC (CCDC-31).
- **Professional Governance Act** (Office of the Superintendent of Professional Governance): Following the appointment of the Superintendent, ACEC-BC worked with the Office to provide insight and advice. In late 2019, the Superintendent conducted a number of interviews with ACEC-BC members to support the formation of regulations. In February the Superintendent joined members and guests at a policy event in Victoria.

Advocacy

Advocating for members can include broad efforts like Qualification Based Selection (QBS) as well as responding to numerous requests for support in navigating processes, addressing onerous contract language, and promoting recognition and public profile for the industry. Much of our advocacy work is achieved through direct communication to build relationships that reinforce public messages. At every ACEC-BC event we take the opportunity to remind participants of the scale and reach of the industry, the important work our members do, and the impact we have in every community in BC. Some specific examples of our work in 2019-20 include:

- **MLA Events:** In October we hosted both the government and opposition caucuses in Victoria. The Minister of Transportation and Infrastructure acted as our sponsor, recognizing the Board's presence in the legislature and providing greetings at our meeting with the government. We welcomed MLAs and members of the cabinet including the Attorney General and Minister of Energy, Mines & Petroleum Resources. Chair Gurjit Sangha and Vice Chair Selena Wilson gave a presentation outlining the scale and scope of the industry and shared an overview of the consultant's process. Members of the Board as well as members of the Association later met with the opposition caucus, including the Leader of the Opposition.
- **Deputy Ministers and Industry Infrastructure Forum:** To support efficiency in program delivery,

ACEC-BC, the Deputy Ministers of BCs infrastructure ministries, and representatives from other trade and construction associations meet regularly to deal with issues of policy. ACEC-BC participates as a forum member and advisor, leading and participating in discussions on standard contracts, project delivery, and management frameworks.

- **Qualification Based Selection:** At the request of the Southern Interior Construction Association, ACEC-BC delivered a QBS workshop at the CCO Workshop event in Kelowna. The workshop included member and client speakers advocating for QBS.
- **Client Meetings:** Client meetings occur frequently with highlights including meeting with the Minister of Transportation & Infrastructure and senior leaders from the Ministry, Metro Vancouver, City of Vancouver, TI Corporation, Port of Vancouver, and Trans Mountain. These meetings help build profile for the association and form relationships that support on-going advocacy and collaboration.
- **Regulation:** ACEC-BC continues to work closely with Engineers & Geoscientists BC including serving on Council, on committees, and to jointly develop practice resources.

Engagement

Building relationships with members, between members and with partners is core to the value of membership. While much is achieved through our events, a great deal of our efforts to build connections occurs through Committees and our Young Professionals Groups. In 2019-20 we worked with our members to host dozens of events to inform, connect, and gain insight. Highlights include:

- Client mixer events were attended by hundreds of members, partner organizations, and guests.
- Insightful policy events, including regulatory practices such as the new Environmental Assessment Office and the Professional Governance Act, as well as practice issues such as Consultant as Prime Contractor.
- Over 500 attendees at the annual Transportation Conference that was held in January; this year's conference featured an in-house developed conference website (a preview of what's to come for our Association!).

- Second graduating class from our ACEC-BC Leadership in Consulting Engineering Certificate program
- Young Professional events across the province promoting member networking and building valuable leadership skills.

Our annual calendar was significantly impacted by the Provincial Health Officer order that was issued in mid-March in response to COVID-19, which led to the cancellation the annual awards gala, several planned policy and mixer events, as well as the annual Young Professionals Group conference which was scheduled for May. While we miss the opportunity to meet together in person, we were able to shift to an online format, offering free professional development events to over 1,000 participants during the last two months.

The Road Ahead

As we look ahead, the changes made to our operations and our strategy over the past year will serve us well as we navigate the “new normal” resulting from the COVID-19 pandemic. While much will continue to change, we are hopeful that the broad and rapid shift to normalize virtual engagement provides us with the opportunity to offer new and engaging events for members across the province. I am grateful for the opportunity to continue working with an incredibly talented and engaged Board, with our Committees, and members across the province. Your commitment, ideas and service are the clearest demonstration of our values of collaboration and community. Without these volunteers the ACEC-BC core team – Alla, Ben, Brian and Marcie – would not be successful in our efforts to advance the interests of the industry in BC.



Regina Bypass Project, Parsons, Regina, SK

2019 AGM Minutes

Held Tuesday, June 11, 2019 at the Terminal City Club, 837 W. Hastings St., Vancouver

1. Call to Order And Notice Of Meeting

The meeting was called to order by Kevin Savage. Caroline Andrewes confirmed that a quorum was present.

Special guests were introduced: Ian McDonald, Architect AIBC, AAA, LEED GA, AIBC; Amanda Farrell, Ministry of Transportation and Infrastructure; Lianna Mah, P.Eng., Engineers and Geoscientists BC; Max Logan, Engineers and Geoscientists BC; Tim Jervis, Metro Vancouver; Dr. Ralph Sultan, P.Eng., MLA West Vancouver-Capilano.

Past Chairs in attendance were recognized: Neil Cumming, P.Eng.; Mike Currie, P.Eng. FEC; Angus English, P.Eng.; Warren McIntyre, P.Eng.; Keith Robinson, P.Eng.; Allan Russell, P.Eng.; and Tim Stanley, P.Eng.

Carol Campbell moved that the AGM agenda be approved as presented. The motion was seconded by Matt Gellis. The motion carried.

2. Minutes of Annual General Meeting Held June 7th, 2018

Kevin Savage presented the minutes of the previous Annual General Meeting, and asked if there were any questions about the minutes. As there were no questions, Carol Campbell moved that the minutes of the previous AGM be approved as presented. The motion was seconded by Richard Bush. The motion carried.

3. Annual Report 2018-2019

Caroline Andrewes presented highlights of ACEC-BC operations over the past year, including:

- Focus on the Provincial Government's review of the Professional Reliance Model, and subsequent legislation. ACEC-BC supported members with policy forums and engagement with policy makers and regulators. In February we provided a comprehensive response to the government's regulation intentions paper consequent to the proposed Professional Governance Act.
- Continuing to advocate for fairness and transparency in procurement and contracting through regular engagement with clients, and participation in

many cross-party forums such as the Deputy Ministers' Industry Infrastructure Forum (DMIIF) and the Master Municipal Construction Documents Association (MMCDA).

- Continuing to raise awareness about QBS through the yes2QBS website, identifying onerous clauses in consulting contracts to both members and clients, producing a three-part video series discussing common issues in consulting contracts, and advocating for accessibility for smaller firms in large scale procurements.
- Partnering with ASTTBC and the Ministry of Advanced Education on the Advancing Women in Engineering and Technology program.
- Engaging more that 2,500 people, mostly members, in our many member events.
- The Leadership in Consulting Engineering Certificate program saw the graduation of our first class of leaders. The program will be offered again this year.

4. Treasurers Report for 2018-2019

Gurjit Sangha presented the financial statements for the fiscal year ending March 31, 2019. The ACEC-BC financial statements are independently audited by Baker Tilly WM LLP.

Revenues and expenses for the 2018-2019 fiscal year are:

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

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

Our total "N" number - or the total number of employees at corporate member offices - for 2018-2019 was 8,841. This reflects an increase of about 6.1% from the previous year.

Participation by associate members has benefited ACEC-BC in many ways, through access to advice and increased revenues from dues, attendance at member events, and event sponsorships.

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

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

Gurjit asked if there were any questions concerning the financial statements. As no questions were raised, Gurjit moved that the 2018-2019 Financial Statements be approved as presented. The motion was seconded by Iain Ward. The motion carried.

Gurjit Sangha moved that ACEC-British Columbia appoint Baker Tilly WM LLP, Chartered Accountants as the auditor for the association for the 2019-2020 fiscal year. The motion was seconded by Arash Masbough. The motion carried.

5. Nominating Committee Report

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

Four vacancies are opening on the board as the terms of Carol Campbell, P.Eng., Gurjit Sangha, P.Eng., Kevin Savage, P.Eng., and Tim Stanley, P.Eng. come to an end. Furthermore, the board operated this year with 13 elected directors, one less than the maximum number allowed. As a result, there are five vacancies for the board.

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

- Matt Gellis, P.Eng., Northwest Hydraulic Consultants (North Vancouver)
- Ryan MacPherson, P.Eng., SNC-Lavalin (Vancouver)
- Suzanne Powell, P.Eng., Thurber Engineering (Victoria)
- Doug Redmond, P.Eng., WSP Canada (Vancouver)
- Gurjit Sangha, P.Eng., WSP Canada (North Vancouver)

It was noted that the ACEC by-laws permit (a maximum

of) two directors from the same member firm.

6. Election of Board of Directors

Tim Stanley 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

Kevin Savage thanked and recognized outgoing directors David Ellis, P.Eng., YPG Provincial Chair, and Carol Campbell, P.Eng., MMCD Board Representative. He also thanked Tim Stanley, P.Eng. for taking on the role of Past Chair midway through the year. Kevin thanked all the board members for their support over the past year.

This was a year of change, with Caroline Andrewes joining ACEC-BC as our new President & CEO in January, following the retirement of Keith Sashaw.

We started the year in opposition to many of the proposed changes to the government’s Professional Reliance Model. Though we were not successful with this campaign, we were able to provide some input to the process. We need to continue to stay on top of issues related to the Professional Governance Act, and the many regulations that will

We are starting to make some progress on our relationships with the new Provincial Government.

We continued our traditional calendar of events, providing great value to members.

The Business Practice Committee issued a position paper on Engineer as Prime Contractor. We also continued to promote QBS. We released a three-part video series on commonly encountered contract issues. We plan to establish an Environment Committee to provide support on a number of issues, e.g. environmental regulations.

Kevin thanked the ACEC-BC staff, members of the board, and all of the committee members and volunteers who have contributed to the success of the association.

8. Incoming Chair’s Remarks

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

Gurjit noted his past experience working with the City

of New Westminster, then a small consulting firm, and eventually a very large consulting firm. He noted that a number of other board members have similarly broad experience, and understand the issues facing member firms of all sizes.

Gurjit thanked Kevin Savage and the board of directors for a successful year.

This has been a year of change, with an extensive search process resulting in the hiring of Caroline Andrewes as our new President & CEO. Gurjit also recognized the many contributions of Keith Sashaw, who retired from the role at the end of 2018.

Professional Reliance is a key issue, and Caroline Andrewes has a deep understanding of this topic. As a board we will collaborate with others and look at new ways of keeping our members informed and engaged.

We have a young work force and providing training opportunities is a priority. We have had success with the Leadership in Consulting Engineering program, and we will look at additional offerings.

Caroline mentioned gender diversity training for members. We have retained a new team member, Marcie Cochrane, to lead initiatives in this area.

Our guest speaker Leonard Jackson gave an excellent presentation on First Nations engagement. This is becoming increasingly important to our industry.

We also want to continue to strengthen our engagement with the Province.

We need to continue to push on the issue of qualifications-based selection (QBS). It is important that we maintain and strengthen our position on this issue.

Social media, and how we make use of the new forms of communication, will also be an area of focus.

It is important that ACEC-BC members continue to be active and engaged for the betterment of our industry.

9. Other Business

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

Kevin Savage asked for a motion that all acts and proceedings of the directors of ACEC-British Columbia as

exhibited by the minutes of the meetings of that body, held since the last meeting of the members of the association and all acts and proceedings taken, all payments made by or to the officers, agents or employees of ACEC-British Columbia under authority of or pursuant to any by-law, resolution, motion, instruction or direction contained in the by-law and minutes of the board of directors held subsequent to the last annual meeting of the members of the association, be, and the same are hereby ratified, approved and confirmed. So moved by Angus English. The motion was seconded by Karen Savage. The motion carried.

10. Adjournment

Kevin Savage asked if there was any further business from the floor. There being none, he asked for a motion that the 2019 ACEC-BC Annual General Meeting be adjourned. So moved by Fred Cummings. The motion was seconded by Iain Ward. The motion carried, and the meeting was adjourned.

Committee Report: Thompson-Okanagan Liaison Committee



Avi Thiessen

Chair, Thompson-Okanagan Liaison Committee

WSP

The Thompson-Okanagan Liaison Committee's main focus in 2019 was the Okanagan Golf Tournament. In 2019-2020 there have been a number of leadership changes combined with re-focusing away from the golf tournament, resulting in 2020 being a rebuilding year. A meeting was held to discuss and agree on where the committee should focus moving forward. A follow up meeting was cancelled due to the current conditions, though we plan to restart these meetings virtually this summer.

The Okanagan Young Professional Group was very active in 2019 hosting a breakfast seminar, a ski trip to Big White and Pub Night. Moving forward the larger committee intends to work closer with the YP group in hosting presentations and mixers.

Committee Members:

- Avi Thiessen, WSP
- Drew Crawford, CIMA
- Gregory Shaw, Stantec
- Glen Rutherford, Golder Associates
- Sheldon Gull, Urban Systems
- John Murray, Urban Systems
- Stephen Horsman, WSP
- Forrest Klotzbach, Urban Systems
- Donovan Klassen, AECOM
- Sam King, Associated Engineering
- Timothy Phelan, AECOM
- Robyn Sherstobitoff, Associated Engineering



North Thompson Emergency Water Intake, WSP, Kamloops, BC

Committee Report: Building Engineering Committee



Graham Lovely

Chair, Building Engineering Committee

MCW Consultants

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
- Mechanical Engineering
- Electrical Engineering
- Civil 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
- The committee has developed a working paper for member information and recommendations around building permit minimum requirements and is in final steps of review.
- The committee did a review and update of the Building Services Budget Guidelines in conjunction with EGBC.

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.

Committee Members:

- Graham Lovely, MCW Consultants (Chair)
- Sarv Jahankhani, Stantec
- Clint Low, Bush Bohlman & Partners
- Doug Redmond, WSP
- Andy Tashiro, WSP
- Fadi Ghorayeb, DIALOG
- Graeme Terris, Pinchin
- Greg Ciura, WSP (Victoria)
- Karen Spoelstra, MCW Consultants
- Samuel Arulnathan, Stantec
- Jeff Verge, Stantec



Stantec Tower, Stantec, Edmonton, AB

Committee Report: Metro Vancouver Liaison Committee



Mike Charko

Chair, Metro Vancouver Liaison Committee

Stantec

The Metro Vancouver Liaison Committee represents member firms that provide engineering services to Metro Vancouver's departments in the areas of water, liquid waste, solid waste, housing, and parks. The objective of the Committee is to provide an opportunity to discuss industry (ACEC-BC) and client (Metro Vancouver) issues in an open manner to continually improve the overall level of service and satisfaction by all parties. ACEC-BC and Metro Vancouver have a shared objective of ensuring the taxpayers of Metro Vancouver receive value for their upcoming multi-billion dollar infrastructure projects.

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

In 2019-2020, the committee had regular meetings with the General Managers of Metro Vancouver's Liquid Waste, Water Services, and Solid Waste departments, which facilitated learning and information exchange with one another and elevated key interests and issues for constructive follow-up.

We also had regular meetings with Metro Vancouver's Directors on several topics of mutual value to the consulting industry and Metro Vancouver, which have been set up as task sub-committees. In 2019-2020 the task sub-committees: held further discussions on improvements to the debrief process and review time for RFQ and RFP's, sent out a survey to engineering consulting firms to solicit feedback Metro Vancouver's practice of using prescribed hours in their RFP's, developed draft guidelines for percentage completion for engineering milestones, and held discussions on how the engineering community can best address Metro Vancouver's future needs.

To address safety protocols for COVID 19, the 2020 Metro Vancouver Mixer was a virtual event with a slimmed down, online version of the typical Mixer with Metro Vancouver's new CAO giving an introduction of himself and providing an overall state of the nation for Metro Vancouver and the impacts of COVID-19. There was an opportunity at the end for participants to ask questions.

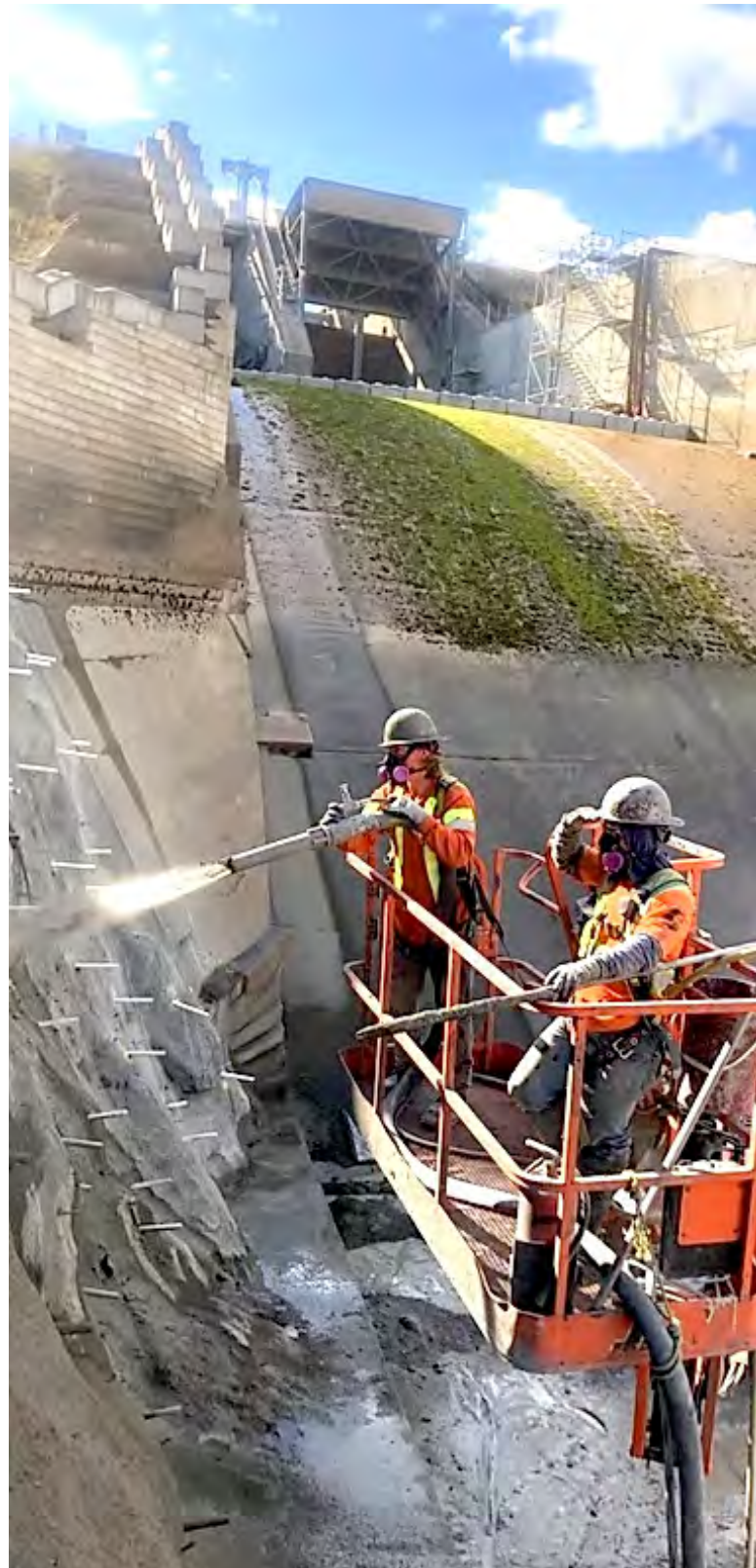
The committee is currently updating our Terms of Reference to provide clarity around purpose and membership renewal.

In the next 12 months, the Metro Vancouver Liaison Committee will:

- continue to meet regularly with Metro Vancouver's senior staff to discuss potential items of interest that can be moved forward to task sub-committee action items
- move the current task sub-committee action items to completion and organize the 2021 Metro Vancouver Mixer.

Committee Members:

- Mike Charko, Stantec
- Larry Sawchyn, McElhanney
- Afzal Waseem, Tetra Tech
- Michelle Maynard, Associated Engineering
- Ali Azizian, Tetra Tech
- Ray Tarnai, Black & Veatch
- Angus English, WSP
- Richard Bush, Binnie Consulting
- Anthony Fuller, Golder
- Roger van der Marel, Jacobs
- Arash Masbough, Associated
- Roger Warren, WSP
- Jesse Unke, RAM Consulting
- Sunny Mangat, Wood



Skins Lake Spillway Plunge Pool Remediation, KCB, Prince George, BC



Committee Report: Master Municipal Construction Documents Assoc. Liaison



Carol Campbell

MMCD Director

WSP

The Master Municipal Construction Documents (MMCD) 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 MMCD on shared concerns, with two members sitting on the MMCD Board of Directors.

The MMCD Tender Documents, Standard Specifications and Drawings are widely accepted and used throughout BC with over 90 municipalities using the documents on a regular basis. A range of design software compatible templates and software tools for municipal asset management, data transfer and asset registration are widely accepted as well. The MMCD also provides training programs for Contract Administrators, Construction Superintendents, Inspectors and Foremen on an annual basis. There are now 229 Certified Contract Administrators listed on the MMCD website.

Several volunteer committees manage the products and priorities for the MMCD, 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 MMCD Client/Consultant Agreement is endorsed by ACEC-BC. This Agreement will also be updated this year to incorporate references to the BC Professional Governance Act; and incorporate other recommendations to increase the use of the document by a wider group. 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 clarify potential grounds for disputes
- An education initiative, aimed at municipalities, about the unwise addition of unbalanced contract language (a concern shared with the BC Road Builders)
- The introduction of specialized training in 2020 for potential MMCD Referees
- Creating more YouTube videos on contract management for the “Contract Considerations” series
- Refining and expanding the Asset Management Toolkit

When registered as supporting members of MMCD, 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 MMCD partners in municipalities, government and the consulting industry.

ACEC-BC Representatives on the MMCD Board of Directors:

- Carol Campbell, WSP
- Dieter Diedericks, Associated Engineering



Scour Protection at the South Surrey Interceptor, Northwest Hydraulic Consultants Ltd., Fraser River, Delta, BC



Committee Report: Municipal Engineering Committee



Yariv Ben-Shooshan

Chair, Municipal Engineering Committee

Jacobs

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

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

Highlights of the Municipal Engineering Committee's work included:

- Hosting the following Mixer events (note from the spring onwards all mixers were cancelled due to the Covid 19 Pandemic. Some may resume in the fall):
 - Richmond/Delta

- Burnaby/New Westminster
- City of Langley, Township of Langley and White Rock
- Surrey
- Vancouver
- Abbotsford, Chilliwack and Mission
- Sea to Sky – Squamish and Whistler
- Involvement in several specific procurement issues raised by member firms, resulting in correspondence from ACEC-BC and EGBC to the relevant client organizations explaining concerns, recommending solutions and suggesting future practices.
- Reviewed Consulting Engineers of Ontario Client/Engineer Agreement for Professional Consulting Services and possibility of updating the Master Municipal Contract Documents (MMCD) client consultant agreement. Future work and updates will likely be addressed in collaboration with the Business Practice Committee and MMCD.
- Engaged with Regional Engineering Advisory Committee (REAC) in the discussion about QBS, developed terms of reference for a working committee to organize a workshop in the fall of 2020 regarding procurement and QBS.

- Developed a manual (instructions) for organizing municipal mixers
- Created a SharePoint site for the Municipal Engineering Committee documents. This to be migrated to ACEC BC MS Teams site once created.

Planned work for next year:

- Meet with selected municipalities to present our recommendations for procurement and contract language.
- Organize a workshop with the Regional Engineers Advisory Committee about QBS. This is currently scheduled for fall 2020.
- Address specific procurement and contract language issues as they arise.
- Increase the number of municipal staff attendees at the mixer events (including YPG members).
- Host the following Municipal Mixer events:
 - Fraser Valley (Mission, Maple Ridge, Chilliwack)
 - Richmond/Delta
 - Burnaby/New Westminster
 - Township of Langley, City of Langley, White Rock
 - City of Surrey
 - City of Vancouver
 - Port Moody/Port Coquitlam/Coquitlam

Members of the Municipal Engineering Committee:

- Yariv Ben-Shooshan, Jacobs
- Negin Tousi, WSP
- David Moschini, Tetra Tech
- Michael Florendo, McElhanney
- Mike Charko, Stantec
- Chantal Richard, McElhanney
- Colin Kristiansen, KWL
- Jesse Unke, RAM Consulting
- Marc Winer, Dillon Consulting
- Joel McAllister, Onsite Engineering
- Adrian Corlett, Parsons
- Borg Chan, ISL Engineering & Land Services
- Todd Bowie, Binnie Consulting
- Raya Smertina, Hatch



Transportation Trade Network Analysis Study, Parsons, BC



Qualicum Beach Waterfront - Beach Creek Estuary Enhancement, SNC-Lavalin, Qualicum Beach, BC

Committee Report: TRAN Liaison Committee



Paul Evans

Chair, TRAN Liaison Committee

Thurber Engineering

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

- BC Ministry of Transportation and Infrastructure (TRAN) Joint Liaison Sub-committee
- TransLink Liaison Sub-committee
- Bridge Sub-committee

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

This past year we have once again seen a high level of engagement through the annual Transportation Conference, mixers and ongoing dialogue between numerous private and public organizations. The Transportation Conference that was held on January 28, 2020 was one of the largest to date with approximately 485 delegates, and plans are underway for next year's conference.

The ACECBC-TRAN Joint Liaison Sub-committee has met a number of times in the last year and welcomed Ian Pilkington, P.Eng. as the Chief Engineer of TRAN, replacing Dirk Nyland, P.Eng. The committee has made progress in several areas:

- The reporting of assignments awarded through ERISP has continued to improve. TRAN is providing input into an improved version of BC Bid which is in the testing phase. ACECBC is expected to provide input into this process later this year.
- The BC Bid Replacement Project is ongoing, and TRAN has been keeping the Sub-committee up to date on TRAN input to the process; expected to be in place in late 2020.

- To promote succession and knowledge transfer an ACECBC young professional has been in attendance in the Joint Liaison Committee Meetings with TRAN.
- Climate Change Adaptation: TRAN issued a new Technical Circular T-04-19 - Resilient Infrastructure Engineering Design – Adaption to the Impacts of Climate Change and Weather Extremes, that supersedes Technical Circular T-06/15 – Climate Change and Extreme Weather Event Preparedness and Resilience in Engineering Infrastructure Design. While the Technical Circular is barely a year old, TRAN is already looking at updating the climate models with a focus on improving the hydraulic models. ACECBC is continuing to work with TRAN to improve knowledge and provide training on how to prepare climate change resilient designs.
- Bridge Discipline Sub-Committee: This sub-committee has met with TRAN and topics of discussion have included the following: As-and-When contracts and how they are managed; continued discussion of climate adaptation and how it will impact projects; upcoming guidelines and seismic performance criteria; accelerated bridge construction and the TRAN desire for more innovation in design; continued discussion succession planning and project supervision.
- Discussions with TRAN on contract language and Professional Liability Insurance requirements are ongoing. ACECBC Contracts and Insurance Sub-Committee was created to meet with TRAN and report back to ACECBC at the Committee-at-Large meetings.
- TRAN had approached ACECBC to replace the Quality Management Accord as agreed to between the TRAN and ACECBC with an agreement based on Organizational Quality Management Program. After some discussion it was decided that TRAN would not abandon the existing Quality Accord.
- Efrosini Drimoussis, P.Eng. resigned from the TRAN Liaison Sub-Committee in July 2019 and was replaced at the December Committee-at-Large meeting by Kevin Leggett. The current TRAN Liaison Sub-Committee is listed below:

Members of the TRAN Joint Liaison Sub-Committee:

- Paul Evans, Thurber Engineering (Chair)
- Kevin Leggett, McElhanney (YPG)
- Christian Babuin, Tetra Tech (Secretary)
- Grant Irving, Stantec
- Ron Lee, SNC-Lavalin
- Maurizio Ponzini, Binnie Consulting (Past Chair)

Members of the TRAN Liaison Committee-at-large:

- Katherine Miller, Mott MacDonald
- Daniel Fung, Bunt and Associates
- Pia Abercromby, McElhanney
- Dan Gould, Stantec
- Scott Loptson, Morrison Hershfield
- Terrence Davies, COWI
- Cory Clark, ISL Engineering
- Edoardo Ballarin, Binnie Consulting
- John Laxdal, Wood
- Jonathan Borch, Urban Systems
- Patrick Cruickshank, Associated Engineering
- Meena Venkataraman, COWI
- Efrosini Drimoussis, COWI
- Cory Clark, ISL Engineering
- David Chin, SNC-Lavalin
- Carl Wong, Morrison Hershfield
- Jared Wilkison, Urban Systems
- Neil Bright, DMD & Associates
- Matt Gellis, Northwest Hydraulic Consultants
- Pat Stancombe, Associated Engineering



LNGC Offsite Habitat Offsets - Anderson Creek Fishway, McElhanney, Kitimat, BC

Committee Report: TransLink Liaison Committee



Bernard Abelson

Chair, TransLink Liaison Committee

McElhanney

ACEC-BC Committee members were elected in a democratic process in late 2017 for a three-year term. Prior to the Covid shutdown the intent was to hold a re-election, however that has been indefinitely postponed.

Minutes are forwarded to ACEC-BC and are available to members on request. The discussions are very productive and participation levels are high, for which TransLink is commended.

This is consistent with their commitment to their Mixer, where, as in 2019 they went to great lengths to provide pending project lists for all attendees at the February Mixer, and had almost 20 staff members attend the event to network with consultants. This is in stark contrast to some of the other municipal Mixers where only the presenter attends.

TransLink also remains committed to the January Transportation Conference, with a staff member sitting on the organizing committee, they provide speakers, and make buses available to transport delegates to the various tour sites.

The Committee meets on a three to four-month basis with agenda items typically focused on the following:

- Ariba Consultant Workshops
- Organizational Changes
- Provincial Government's Professional Reliance Legislation
- Events: MoTI/TransLink Transportation Conference and TransLink Mixer
- Mayors' Council Related Matters
- Key Project Updates
- Drawing on the expertise of the Consulting Community
- Other New Business

Committee Members:

- Bernard Abelson, McElhanney (Chair)
- Ian Rokeby, Collings Johnston
- Martin Jobke, Associated Engineering (Past Chair)
- Mike Chin, Klohn Crippen Berger
- Aled Griffiths, Mott McDonald
- Peter Senez, Senez Consulting
- Glenn McIntyre, Stantec (YPG)



Committee Report: Transportation Conference Organizing Committee



Andrew Swift

Incoming Chair, Transportation Conference Organizing Committee

Binnie Consulting

The Transportation Conference Committee serves as a planning team that delivers the annual transportation sector conference in partnership with the Ministry of Transportation & Infrastructure (TRAN) and Translink. The committee meets monthly to generate programming, source speakers and tour options for the conference. The committee also works with ACEC-BC member companies to encourage sponsorship, offer conference gift items and supports ACEC-BC personnel with overall coordination of the event.

The conference is an immersive networking and learning event that explores transportation trends with thought provoking presentations from industry leaders. Focused on sharing new technologies, changing priorities and innovative developments in BC’s transportation systems, the conference allows for participants to connect while celebrating industry achievements and understanding future opportunities to support the changing transportation needs of BC communities.

The 2020 event was held in January, drawing 485 registrations from the transportation planning, engineering, and construction community. The event hosted 15 speakers, as well as a guest introduction from MLA Bowinn Ma, and offered two offsite tours coordinated by

the committee. Technical sessions and panel discussions addressed the future of active transportation and policies, affordable transit-oriented developments, clean energy, and advancements in logistics and technology.

Registration numbers continue to rise year over year and attendance at the 2020 conference is notable considering significantly fewer attendees from MOTI while the province works with limited travel and discretionary spending.

Feedback from the conference was very positive and it continues to be a highlight event for the community.

Committee Members:

- Pat Cruickshank, Associated Engineering (2020 Conference Chair)
- Andrew Swift, Binnie Consulting (Incoming Chair)
- Joel Weiss, Partnerships BC (Past Chair)
- Kenedee Ludwar, TRAN
- Chanpreet Gill, TRAN
- Louis Cheung, TransLink
- Marek Buksowicz, Mott MacDonald
- Thomas Hoffschild, AECOM
- Melina Mascarenhas, Stantec



YVR East Apron VI Remote Stands, Hatch, Richmond, BC

Committee Report: Business Practice Committee



Frank Liu

Chair, Business Practice Committee

Hatch

The purpose of the Business Practice Committee is to:

- provide advice and develop resources for business practice issues, including position statements and white papers to support members in the delivery of consulting projects;
- work with ACEC-BC municipality committee to promote quality-based consultant selection across industry;
- perform annual reviews/updates to ACEC-BC consulting fee guidelines;
- monitor emerging industry-specific issues that affect the business interests of member firms;

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

- 2020 ACEC-BC Engineering Fee Guidelines review, update and posting on ACEC-BC website;
- Formalized Business Practice Committee Terms of Reference document.
- Provided pertinent input for the Engineers as Prime Contractor Under Workers Compensation Act breakfast seminar.

Ongoing committee initiatives include:

- Annually update the ACEC-BC Engineering Fee Guidelines
- Maintain liaison with MMCD, EGBC Consulting

Practice Committee and YPG

- Professional Governance Act – evaluate potential impacts to engineering consulting firms, etc. – monitor and engage as necessary/requested
- Monitor changes to Building's Lien Act in Ontario and potential implications to BC, lessons learned, etc.
- Ongoing tracking and monitoring of other any industry trends

Future initiatives may include position papers on:

- Developments in indemnity provisions and impact on member firms.
- Impacts of COVID-19 on member firms and how this may change the nature of the consulting business

Committee Members:

- Frank Liu, Hatch (Chair)
- Robert Lew, Aplin Martin
- Kip Skabar, Stantec (Vice Chair)
- Sheldon North, BGC Engineering
- Alyse Wilkinson, Golder Associates
- Steve Croxford, Associated Engineering
- Brian Chatwin, Chatwin Engineering
- Suki Gill, Mott MacDonald
- Jason Colenutt, WSP
- Umar Alfaruq, Jacobs
- Mike Dickens, KWL



Design of the Replacement and Repairs of the White Rock Pier, Westmar Advisors Inc., White Rock, BC

Committee Report: Membership Affairs Committee



Jeff McLellan

Chair, Membership Affairs Committee

BFL Canada

The primary purpose of the Membership Affairs Committee is to help ensure that the ACEC-BC continues to grow as an organization. While the industry has faced many challenges related to the current global pandemic, total employment by members has declined only marginally from last year. There are currently 78 Corporate Members representing close to 8,800 employees in British Columbia. There are 17 Associate Members and the committee members are always looking for new companies that might be interested in joining. We saw a continued slow down on acquisitions by global firms this past year, with some of the largest member firms reducing staffing levels.

The benefits of membership and Member Savings Program are of paramount importance to the committee. If you have any ideas or suggestions that could improve what you believe the ACEC-BC should be offering members in

so far as programming, events or benefits please contact us as we would like to hear from you.

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

For the 2019-2020 year, ACEC-BC welcomes the following new Corporate Members:

- HDR Corporation
- Peter Kiewit Sons ULC

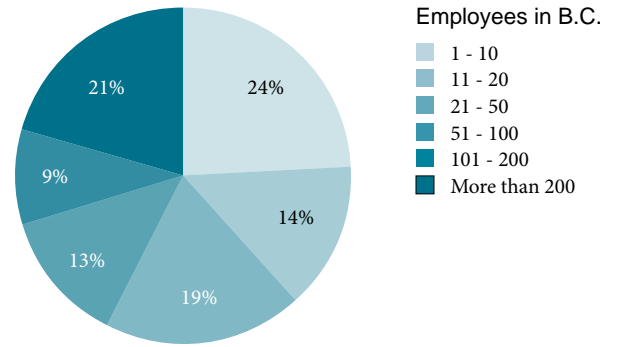
For the 2019-2020 year, ACEC-BC welcomes the following new Associate Members:

- Central Nervous Systems Inc.
- Penta Solutions Corp
- Vector Geomatics Land Surveying
- Vega Instruments Canada

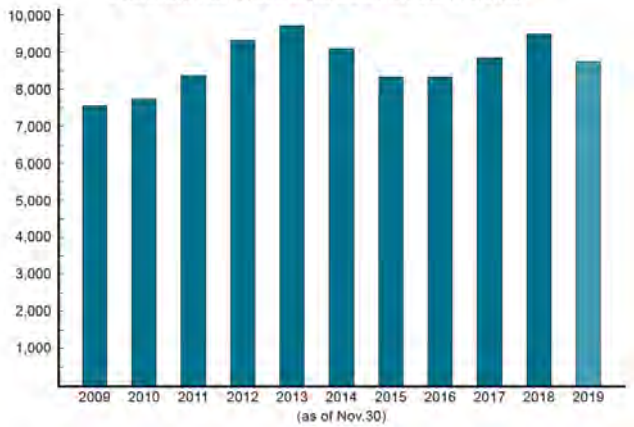
Committee Members:

- Jeff McLellan, BFL CANADA (Chair)
- Monika Minar, PBX Engineering
- Trevor McKenzie, McElhanney (YPG)
- Marc Winer, Dillon Consulting

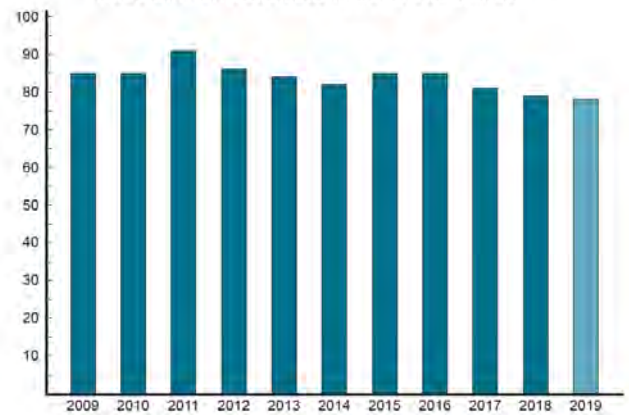
**Profile (percentage of firms) by Total B.C. Employment
ACEC-British Columbia Member Companies**



TOTAL B.C. EMPLOYMENT
ACEC-BRITISH COLUMBIA MEMBER COMPANIES



TOTAL NUMBER OF CORPORATE MEMBERS
ACEC-BRITISH COLUMBIA MEMBER COMPANIES



Committee Report: Professional Development Committee



Dieter Diedericks

Past Chair, Professional Development Committee

Associated Engineering

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

The committee will provide support to other provincial PD initiatives through access to resources, and limited funding if available, as follows:

- Develop professional development program for ACEC-BC Member Firms beyond what is provided at the Young Professionals level.
- Support in-house PD programs.

The Committee supports ACEC-BC's Leadership in Consulting Engineering Certificate Program which was offered for the second year in 2019. ACEC-BC delivered a successful program of Professional Development events this past year, including:

- Business Development for Engineers
- Effective Business Communications
- Business Networking Skills for Professionals
- Navigation Difficult Conversations
- Building the Best Team
- Contract Language: Existing and Evolving Trends
- Financial Statement Analysis for Non-Accountants
- Building the Best Team: Recruitment
- Building the Best Team: Retention
- Core Skills Development

The Committee is planning the following topics for the 2020-2021 season:

- Indigenous Reconciliation Journey
- Enterprise Risk Management
- AI
- Offshoring
- Graduation Round Table for Leadership Program
- Transition to Digital sign / seal
- Virtual Design Review – best practice for Client / Consultant
- Contract Law – the Force Majeure
- Cyber Risk Management – data security in a fully remote environment
- Preparing for GBA+

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, Associated Engineering (Past Chair)
- Tijana Smiljanic, McElhanney (Incoming Chair)
- Scott Campbell, Binnie Consulting
- Tyla Hay, SRK Consulting (HR Committee)
- Selena Wilson, McElhanney (Board)
- Meena Venkataraman, COWI
- Saqib Khan, McElhanney
- Kate Kirkland, Urban Systems (YPG)



Lois Lake Dam Structural Evaluation, Klohn Crippen Berger Ltd., Powell River, BC

Committee Report: Human Resources Committee



Sharon Batchelor

Chair, Human Resources Committee

Klohn Crippen Berger

Purpose

In 2016, ACEC-BC established a Human Resources (HR) Committee to provide a forum for the exchange of information about issues involving employees in the consulting engineering sector.

The Committee's work was initially to address current and emerging issues related to the recruitment and retention of valuable skills and abilities, development of innovative solutions to dealing with anticipated skill shortages facing members of ACEC-BC and collaboration with the Professional Development and Young Professionals Committees.

In 2020 the Committee simplified and redefined its purpose to:

Providing Human Resources support, advice and value that advance the Consulting Engineering sector in British Columbia through:

Advocacy, Information Sharing, Fair Work Practices, Society and Community Programs, Collaboration, Skills Development, Talent Acquisition and Retention

Activities

Throughout the year, the HR Committee meets frequently to discuss relevant issues and to share resources and information. From March through to June 2020 the topics have focused on mutual concerns and sharing resources related to how consulting engineering firms are dealing with COVID-19.

The Committee recently provided support to the Association by:

- Securing new speakers for the upcoming Leadership Certificate program and,
- Co-authoring a series of articles to support members entitled Effective Leadership: A Series for Supporting and Dealing with Issues Related to Mental Well-Being in the Workplace During a Time of Crisis.

The Committee Chair and several ACEC-BC HR members also continue to collaborate with the Equity, Diversity and Inclusion (EDI) Committee on Fair Work Practices.

Committee Members:

- Sharon Batchelor, Klohn Crippen Berger (Chair)
- Polina Kouzmina, BTM (Vice Chair)
- Elaine Chong, AES Engineering
- Victoria Kilpatrick, McElhanney
- Christina Zimmerman, AES Engineering
- Amy Tsou, Mott Macdonald
- Cheryl Gomes, Associated Engineering
- Monika Minar, PBX Engineering
- Arash Masbough, Associated Engineering
- Rita Gareb, RAM Consulting
- Helen Chan, Binnie Consulting
- Arthur Docherty, Read Jones Christoffersen
- Stacey Kons, Binnie Consulting

- Tyla Hay, SRK Consulting
- Meena Venkataraman, COWI
- Cindy Shaw, Stantec
- Nicole Gomes, DMD Engineering
- Colleen Beresford, Stantec
- Sumita Tayal, KWL
- Matthew Williams, Stantec
- Sandy Sun, Knight Piésold
- Svetla Dobрева, Stantec
- Deep Janjua, McElhanney (YPG)
- Shiva Lofti, WSP

Anyone interested in learning more about upcoming events and meetings should email: Sharon Batchelor (sbatchelor@klohn.com).



Protecting Public and Environmental Health - Metro Vancouver Waste-to-Energy Facility, HDR Corporation, Burnaby, BC



Committee Report: Equity Diversity and Inclusion (EDI) Committee



Samuel Arulnathan

Chair, EDI Committee

Stantec

The EDI Committee provides a forum for the exchange of information about diversity initiatives and challenges within the consulting engineering sector. The Committee's work includes:

- Addressing current and emerging issues, such as the recruitment, career advancement, and retention of underrepresented groups in the consulting engineering sector,
- Providing relevant educational seminars to support diversity initiatives that affect the engineering sector,
- Working with the ACEC-BC Human Resources Committee, ACEC-BC Young Professionals Group, and other external organizations that support EDI initiatives

The EDI Committee's responsibilities include:

- Facilitating the communication and sharing of information between ACEC-BC members by providing speakers or articles for ACEC-BC newsletters, regular meetings, breakfast seminars or, other special events

- Enhancing the visibility and voice of underrepresented groups in the consulting engineering community by, for example, communicating and advocating the importance of supporting equity, diversity and inclusivity
- Developing guidance, resources, and tools that help promote and build the capacity of ACEC-BC members

Committee Members:

- Samuel Arulnathan, Stantec (Chair)
- Meena Venkataraman, COWI
- Matthew Williams, Stantec (Co-Chair)
- Ray Smertina, Hatch (YPG)
- Arash Masbough, Associated Engineering
- Selena Wilson, Mott MacDonald (Board Partner)
- Cheryl Gomes, Associated Engineering
- Tyla Hay, SRK Consulting
- Dieter Diedericks, Associated Engineering
- Victoria Kilpatrick, McElhanney
- Karine Poliquin, Associated Engineering



Committee Report: Young Professionals Group



Dani Delaloye

Chair, Young Professionals Group (YPG)
Provincial Steering Committee

Mott MacDonald

Mission Statement: To promote and empower the development of Young Professionals' careers in the Consulting Engineering Business

The ACEC-BC Young Professionals Group (YPG) Steering Committee is comprised of 48 of British Columbia's brightest young professionals. We are organized into an overarching provincial committee, our regional subcommittees (based out of the Lower Mainland, Vancouver Island, Okanagan, Kamloops and Prince George), a conference planning committee, and representatives on each of ACEC-BC's main line committees. The Kamloops committee is new in the 2019/20 year and has started well, showing good momentum to continue as a group. The regional subcommittees are supported by company champions, who distribute information about events at their companies, encouraging attendance and engagement.

We kicked off the year with our YPG committee retreat, where we identified three main areas for focus: communications, graduates of the YPG, and increasing our diversity. To address these focus areas, we have:

- Offered input and advice on the ACEC-BC

Communications strategy and refined our internal and external communications

- Hosted one event to engage graduates of the YPG, with further discussions on how to expand their involvement in ACEC-BC
- Continued to develop our committee transition plans to allow members with limited volunteer experience to take on positions in the YPG
- Significantly expanded our network of company champions
- Expanded our volunteer base, both regionally and in terms of member firm representation
- Started to engage with client companies to encourage more diverse attendance at events and provide additional networking opportunities for ACEC-BC YPs

We have also developed a guidance document for member firms looking to start an internal young professionals group. This document will be published on the website and is available through members of the YPG.

Although the delivery of our program this year has been significantly impacted by COVID-19, with support from ACEC-BC staff, the YPG Steering Committee was still able to enthusiastically plan, deliver, and support a number programs and services that strengthened ACEC-BC connections with hundreds of young professionals, students (both post-secondary and elementary-age), and

members of the public. These events were summarized and showcased in quarterly newsletters published by the YPG. They included six breakfast seminars on topics ranging from advancing your career to climate change risk assessment and adaptation, nine networking and social nights across our regions, active participation in student outreach events such as the UBC Tri-Mentoring Program, and supporting community events such as Science World summer camps and EG-Fest (part of Engineering and Geoscience month).

Our fourth annual young professional conference planning was well underway, with the conference set to be held this May. Unfortunately, we have had to postpone due to COVID-19. We look forward to providing further updates on the conference this summer.

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

Members of the 2019-2020 YPG Provincial Steering Committee:

- Dani Delaloye, Mott MacDonald (Chair)
- Pia Abercromby, McElhanney (Vice-Chair)
- David Ellis, McElhanney (Past Chair/ACEC PN Rep)
- Richard Dieu, Dillon Consulting (Communications)
- Kate Kirkland, Urban Systems (PD/Education)
- Katherine Miller, Mott MacDonald (Conference Chair)
- Raya Smertina, Hatch (Lower Mainland Chair)
- Colin Davis, McElhanney (Vancouver Island Chair)
- Donovan Klassen, (Okanagan Chair)
- Robert Teetaert, McElhanney (Northern Group Chair)
- David Gerein, Stantec (Kamloops Chair)
- Robert D'Amours, Urban Systems (Kamloops Chair)

Mainline Committee YPG Representatives:

- David Ellis, McElhanney (ACEC-Canada)
- Sam Arulnathan, Stantec (Building Engineering)
- Suki Gill, Mott MacDonald (Business Practice)
- Deep Janjua, McElhanney (Human Resources)
- Raya Smertina, Hatch (EDI Subcommittee)
- Trevor McKenzie, McElhanney (Membership Affairs)
- Afzal Waseem, Tetra Tech (Metro Vancouver)
- Chantal Richard, McElhanney (Municipal Engineering)
- Kate Kirkland, Urban Systems (Professional Development)
- Alex Shepard, Wood (Resource & Energy)
- Kean Andruski, Binnie Consulting (Small Firms)
- Brett Oystensen, McElhanney (Transportation)
- Arman Shahnaz, Mott Macdonald (Transportation)
- David Ellis, McElhanney (Bridges)
- Kevin Leggett, McElhanney (TRAN Subcommittee)
- Glenn McIntyre, Stantec (TransLink Subcommittee)

Members of the Lower Mainland Sub-committee:

- Raya Smertina, Hatch (Chair)
- Kristina Kwong, McElhanney (Vice-Chair)
- Katherine Miller, Mott MacDonald (Past Chair)
- Kenneth Chow, AECOM (Professional Development and Education)
- Sonny Bharaj, Binnie Consulting (Networking)
- Parham Joulani, COWI (Volunteer Management)
- Nathanael Leung, Wood (Student Outreach)
- Brett Oystensen, McElhanney (Community Involvement)

Members of the Vancouver Island Sub-committee:

- Colin Davis, McElhanney (Chair)
- Eric Neil, KWL
- Brandon Johnson, KWL
- Taylor Wheeler, GOAL Engineering

Members of the Okanagan Subcommittee:

- Donovan Klassen, AECOM (Chair)
- Jordan Beach, Aplin Martin (Vice-Chair)
- Jasmine Smith, Urban Systems (Professional Development and Education)
- Josh Hewitt, WSP (Volunteer Management)
- Gaurav Ahuja, WSP (Community/Student Outreach)

Members of the Northern Group Subcommittee:

- Robert Teetaert, McElhanney (Prince George Chair)
- Stephanie Wall, McElhanney (Professional Development and Education)
- Will Eisbrenner, Binnie Consulting (Networking)
- Sidney Roy, Allnorth (Student Outreach)
- Ken (Kendrick) Carnes, WSP (Community Involvement)

Members of the Kamloops Subcommittee:

- David Gerein, Stantec (Chair)

- Robert D'Amours, Urban Systems (Vice-Chair)
- Greg Jones, Binnie Consulting
- Isobel Irvine, McElhanney
- Erik Stevenson, Thurber Engineering

YPG Conference Subcommittee:

- Katherine Miller, Mott MacDonald (Chair)
- Dani Delaloye, Mott MacDonald (Past Chair)
- Parham Joulani, COWI (Professional Development)
- Trevor McKenzie, McElhanney (Sponsorship)
- Glenn McIntyre, Stantec (Networking)
- Afzal Waseem, Tetra Tech
- Raya Smertina, Hatch
- Rebeka Brykajlo, Binnie Consulting
- Amy Russell, Thurber Engineering



New Bridge for the Saint Lawrence Corridor Project, TYLI-IBT-SLI Joint Venture (SNC-Lavalin, TY Lin and IBT), Montréal, QC



Charter Telecom Headquarters Passive Building, Morrison Hershfield Limited, Langford, BC

ACEC-Canada Year in Review - 2019 Accomplishments



John Gamble

President

**Association of Consulting Engineering
Companies - Canada**

The federal election was a hectic six months for ACEC-Canada's team, who worked to ensure the voice of consulting engineering was heard by the major parties and the candidates who ran for office. To achieve this, a comprehensive election plan - Infrastructure the Right Way – was developed that endorsed two concise priorities.

The first focused on accelerated, predictable and sustained infrastructure spending for our industry and our clients and partners to effectively deliver on the projects that improve our communities and drive our economy. The second priority touched on the need for a national infrastructure corridor - a series of pre-established right of ways that would connect all regions of Canada and allow proponents to launch major projects with certainty.

These priorities were put front and center with an election focused website – InvestInfrastructure.ca. Social media was another vehicle used to get the message out to our stakeholders.

With the pre-election timeframe proving to be as important as the election period itself, our election plan was implemented well before the writ dropped. In May, our key messages and policy “asks” were shared with the platform committees of the major parties. In June, ACEC-Canada met with Senior department officials

and Members of Parliament, including the Minister of Infrastructure and Communities. Throughout the summer and during the election period, a letter writing campaign was promoted and party platform analysis were shared on our InvestInfrastructure website.

Post-election, ACEC-Canada transformed the strategy to ensure key messages continued to be heard. This included a breakfast session for MPs and their staff to discuss the importance of infrastructure investment.

In mid-March, advocacy efforts shifted to ensure industry retains its capacity through the COVID-19 crisis. Outreach was conducted to the Ministers of Infrastructure Canada and Communities, Finance and Small Business with recommendations on how the sector can contribute to the post-crisis recovery. ACEC-Canada is working with the Canadian Chamber of Commerce and the Canadian Business Reliance Network on steps to protect and support businesses. Along with stakeholders like CCA and CCPPP, ACEC-Canada is participating on a construction industry round table convened by the Parliamentary Secretary to PSPC. This gathering of stakeholders is one of the key requests ACEC-Canada made to the Minister of Infrastructure and Communities.

While the future remains uncertain, ACEC-Canada is committed to collaborating with its provincial partners like ACEC-BC to ensuring the consulting engineering industry remains resilient and continues to contribute to the economic, social, and environmental quality of life of Canadians.

ACEC-BC Events 2019-2020

2019	Event Name
June	<ul style="list-style-type: none"> • YPG Vancouver Island Breakfast Seminar, Realizing Project Potential - a Manager's Perspective on Successful Projects • Leadership Program Session #3, Navigating Difficult Conversations • Business Networking Skills for Professionals
July	<ul style="list-style-type: none"> • YPG Lower Mainland Breakfast Seminar, Effective Communication • Leadership Program Session #4, Contract Language: Existing and Evolving Trends
August	<ul style="list-style-type: none"> • Policy Breakfast, Consultant as Prime Contractor
September	<ul style="list-style-type: none"> • 11th Annual Okanagan Golf Tournament • Leadership Program Session #5, Financial Statement Analysis for the Non-Accountant
October	<ul style="list-style-type: none"> • Richmond-Delta Mixer • ACEC-BC Policy Breakfast, The new Environmental Assessment Act, Policies and Regulations • Burnaby-New Westminister Mixer • MLA Luncheon and Reception • YPG Lower Mainland Breakfast Seminar, Career Journey • YPG Kelowna Breakfast Seminar, Climate Change Risk Assessment and Adaptation in BC • Leadership Program Session #6, Building the Best Team: Recruitment
November	<ul style="list-style-type: none"> • Port of Vancouver Mixer • City of Vancouver Mixer • Leadership Program Session #7, Building the Best Team: Retention
December	<ul style="list-style-type: none"> • Fraser Valley Mixer • Leadership Program Session #8, Core Skills Development • YPG Lower Mainland Breakfast Seminar, Advancing Your Career - Strategies for Success • YPG Kamloops Breakfast Seminar with Caroline Andrewes

ACEC-BC Events 2019-2020 - Continued

2020	Event Name
January	<ul style="list-style-type: none"> • YPG Okanagan Breakfast Seminar, Building Your Brand • LNG Mixer • Transportation Conference 2020
February	<ul style="list-style-type: none"> • Breakfast Seminar, Professional Governance Act – Opportunities and Challenges • TransLink Mixer • YPG Lower Mainland Breakfast Seminar, Career Journey • YPG Prince George Lunch & Learn
April (Webinars)	<ul style="list-style-type: none"> • What to Expect When the Unexpected Happens: Delays and Risks During COVID-19
May (Webinars)	<ul style="list-style-type: none"> • Transformation to Digital Sign & Seal Technology • The Progressive Design-Build Model • Leading Remote Teams with Equity, Diversity and Inclusion (Part 1) • Leading Remote Teams with Equity, Diversity and Inclusion (Part 2)
June (Webinars)	<ul style="list-style-type: none"> • Scope and Change Management • Infrastructure Stimulus: Opportunities for BC Municipalities • Competitive Alliance Contracting Model

Transportation Conference 2020

ACEC-BC, in partnership with the Ministry of Transportation and Infrastructure and TransLink, hosted the 2020 Transportation Conference — a one day conference showcasing the future direction and trends surrounding BC's transportation plans. The conference, which was held January 28, 2020 at the Hyatt Regency in Vancouver, provided full day's program including a number of sessions of interest to consultants, TransLink, and Ministry staff. The day included:

- Choice of morning guided tours:
 - Seaspan Shipyards Facility, North Vancouver
 - UBC Transportation Research Projects and Student Projects
- Morning presentations including:
 - *Active Transportation for a Better World*
 - *Transport 2050: Transformative Policies for a Changing Region*
- Luncheon panel discussion on *Equitable Transportation Planning & Design*
- Afternoon sessions in two streams: *Clean Energy*, and *Logistics & Technology*
- Reception and *Deputy Minister's Awards Dinner*.



SHRP 2 Solutions - Service Life Design for Bridges (R19A), COWI North America, Ltd., USA

Event Sponsors

- Armtec Canada Culvert
- Associated Engineering
- ATS Traffic
- Bay Wealth Management / Investors Group
- BFL CANADA
- Binnie Consulting
- CanCADD Imaging Solutions
- COWI
- Dywidag
- GOAL Engineering
- Hatch
- Klohn Crippen Berger
- The Langley Concrete Group
- McElhanney
- MEA Forensic
- Morrison Hershfield
- Mott MacDonald
- Northwest Hydraulic Consultants
- Parsons
- PBX Engineering
- Progressive Contractors Association of Canada
- Rogers Communications
- Smith + Andersen
- SNC-Lavalin
- Stantec
- Stites Co.
- Tetra Tech
- Thurber Engineering
- TYBO Contracting
- Urban Systems



Automated Avalanche Detection System, PBX Engineering, Stewart, BC

Treasurer's Report



Selena Wilson

Vice-Chair/Treasurer, ACEC-British Columbia

Mott MacDonald

The Treasurer's Report provides comment on the financial operations of the Association for the fiscal year ending March 31, 2020 as well as a look ahead at the 2020-21 budget approved by the Board in February.

Typically, the ACEC-BC financial statements are independently audited by a qualified public accounting firm. Following the close of the fiscal year, and in light of significant operational changes resulting from the COVID-19 pandemic, the statements this year were prepared by the Secretariat and approved by the Board without audit. Additional discussion of this departure from standard operation are included in the financial statements presented to members.

The 2019-20 financial performance of the Association was a reflection of growth in our industry, changes in Association operations, and continued high performance of key member services. In summary:

Item	Actual	Budget	Variance
Revenue	\$1,256,118	\$1,233,750	\$22,368
Expenses	\$1,197,700	\$1,223,500	(25,800)
Net	\$58,418	\$10,250	\$48,168

Revenue

Revenue is comprised of two main components: member dues and events.

In response to significant market opportunities in the industry, members reported significantly higher N-numbers in 2019-20. The increase of 8% over 2018-19 equates to nearly 800 individuals added to member teams across the province. This increase offset a net loss of three member firms, resulting in member dues revenue approximately equivalent to budget.

Event revenue increased through a mix of growth in the Transportation Conference and our Young Professionals Group, including a regional committee in Kamloops. Event revenue continued to be a critical component of funding Association operations.

Expense

Association operations, including salaries and rent, account for approximately 50% of total expense. The remaining (variable) expense is associated with presentation of and participation in events. Operations expense decreased year over year as a result of savings through unfilled staff vacancies and the elimination of the financial audit.

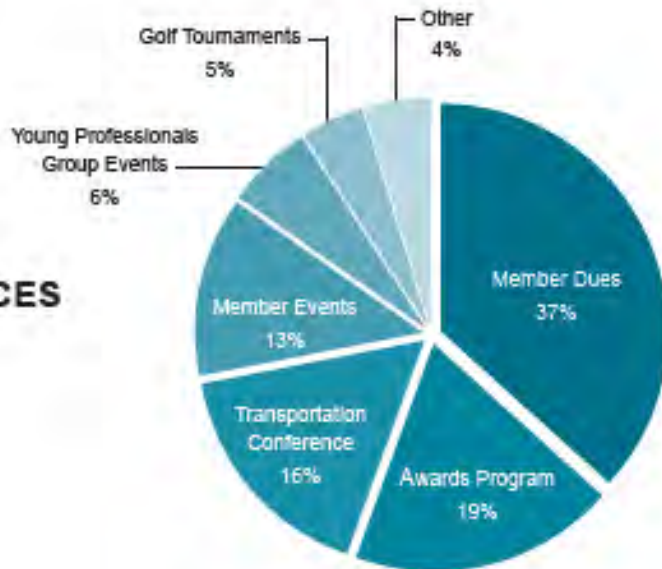
Viewed in the context of revenue, our Association operations were funded approximately 80% through member dues. The remainder is subsidized through return on member events. In accordance with the Board's financial risk plan, surplus is generally allocated to the Association's reserve fund which exists to support investment in capital, special projects, and to support on-going operations in the absence of revenue.

Looking ahead

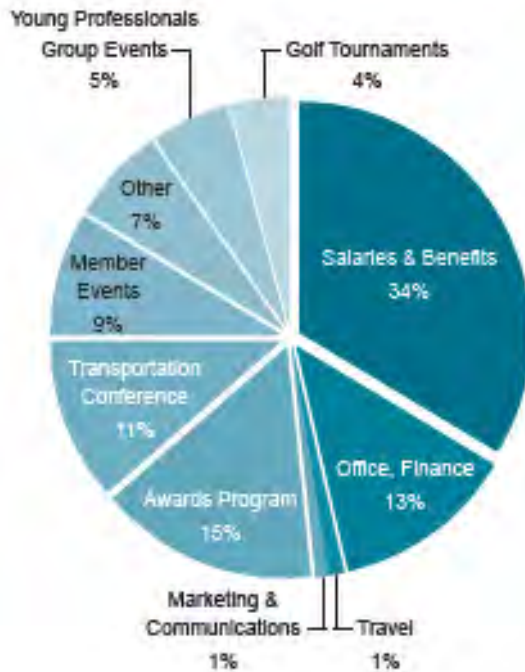
The Board approved a budget in February 2020 based on anticipated revenue of \$1,217,000 – a slight decrease relative to 2019. The decrease accounted for the removal of golf tournaments (as well as offsetting expense) and assumed growth of membership dues and continued growth in the Transportation Conference.

The Board is working with the Secretariat to rescope the plan given the impact to events revenue as a result of the COVID-19 pandemic. We are monitoring Association cash flow and working together with Committees and the Secretariat to identify savings, subsidies, and alternate sources of non-dues revenue. Decisions such as the one to waive the financial audit are an example of cash preservation actions.

2019-2020 REVENUE SOURCES



2019-2020 EXPENSES



ACEC-British Columbia Organization Chart

Members

Board of Directors

Young Professionals

Secretariat

Sector

- Building Engineering
- Municipal Engineering
- Resource and Energy
- Transportation
 - Transportation Conference
- Small Firm Council
- Liaison Committees:
 - Metro Vancouver
 - BC Hydro
 - TRAN
 - TRAN – Bridge
 - TransLink
 - Thompson-Okanagan
 - Vancouver Island

Business Practice

- Business Practice
- Membership Affairs
- Human Resources
- Equity, Diversity and Inclusion
- Small Firm Council
- Professional Development

External Appointments:

- ACEC-Canada
- MMCD
- PCCBC
- EGBC

Volunteers

A Chan	Borg Chan	David Marchand	Glen Rutherford
A Leung	Brandon Johnson	David Moschini	Glenn McIntyre
Aayush Tandon	Brett Halicki	David Walker	Gloria Kwong
Adam Dijkerman	Brett Oystensen	Deep Janjua	Goran Olijaca
Adam Woods	Brian Chatwin	Dennis Wu	Graeme Terris
Adrian Corlett	Brian Yates	Derek Chan	Graham Lovely
Afzal Waseem	Bruno Bagnères	Derek Drummond	Graham Wilkins
Aled Griffiths	Cameron McKellar	Devan Fitch	Grant Irving
Alejandra Manrique	Cameron Perkin	Diana Alvaraz	Grant Ngieng
Alex Shaikh	Carl Kelman	Dieter Diedericks	Greg Ciura
Alex Shepard	Chanpreet Gill	Don Ehrenholz	Greg Jones
Alex Wiecke	Chantal Richard	Don McLean	Greg McNeill
Alexandra Deaconu	Charlaine Chiu	Donovan Klassen	Greg Shaw
Ali Azizian	Cheryl Gomes	Doug Provost	Gregg Singer
Allan Russell	Chris Mealing	Doug Redmond	Gurjit Sangha
Alyse Wilkinson	Christian Babuin	Douglas Provost	Hana Prilesky
Alyssa Hermann	Christina Zimmerman	Drew Crawford	Hannelie Stockenstrom
Aman Rai	Christine Idzerda	Ed Miska	Helen Chan
Amanda Gomes	Cindy Shaw	Efrosini Drimoussis	Homayoun Vahidi
Amit Jain	Cliff Stewart	Ehab Al Ashqar	Hossein Amani
Amy Russell	Clint Low	Elaine Chong	Iain Ward
Amy Tsou	Colby Redekop	Ella Li	Ian Pilkington
Andre Santos	Colin Davis	Ellen Yang	Ian Rokeby
Andrew Swift	Colin Kristiansen	Emily Kenny	Intisar Ahmed
Andrew Tashiro	Colleen Beresford	Eric Neil	Ioana Ardelean
Angus English	Connor Langford	Erik Stevenson	Isobel Irvine
Annie Stancheva	Cory Clark	Fadi Ghorayeb	James Anderson
Anoosh Hafezi	Courtney Forth	Forrest Klotzbach	Janisse Vivas
Anthony Fuller	Cynthia Collins	Francois Morton	Jared Whitehead
Arash Masbough	Dan Gould	Frank Liu	Jared Wilkison
Arman Shahnaz	Dani Delaloye	Fred Cummings	Jasmine Kang
Arthur Docherty	Daniel Fung	Fred Marquis	Jasmine Smith
Avi Thiessen	Darryl Matson	Freddy Rawji	Jason Colenutt
Behrang Azizi	David Chin	Gabriene Kaechele	Jason Dong
Belinda Graham	David Collings	Garry Stevenson	Jason Leong
Bernard Abelson	David Ellis	Gary Brykov	Jay Kim
Bob Bigelow	David Gerein	Gaurav Ahuja	Jayanthan Madheswaran

Volunteers - Continued

Jeannine Tse	Ken (Kendrick) Carnes	Michael Cetnarowski	Peter Ferguson
Jeff McLellan	Ken Curry	Michael Florendo	Peter Galbraith
Jeff Van	Kenedee Ludwar	Michael Ng	Peter Hawker
Jeff Verge	Kenneth Chow	Michael Puszka	Peter Luedke
Jerry Prilesky	Kevin Leggett	Michelle Maynard	Peter Senez
Jesse Unke	Kevin Savage	Mike Charko	Philippe Rochon
Jessica Lenoble	Kieran Field	Mike Chin	Philippe St-Germain
Jessica Saunders	Kip Skabar	Mike Dickens	Pia Abercromby
Jessica Wilson	Kristina Kwong	Mike Hanson	Polijna Kouzmina
Joe Di Placito	Kyle Briggs	Mitchell Flynn	Pooya Daravi
Joel Jacques	Laura Christensen	Mitchell Young	Pouya Moradi
Joel McAllister	Leif Paulson	Monika Minar	Raya Smertina
Joel Weiss	Leila Ang	Morris Signorelli	Rebeka Brykajlo
Joey Chiu	Leila Anghel	Muhammed Al-Kustaban	RezaSaiedi
John Laxdal	Linda Meindersma	Murray Kroeker	Richard Bush
John Murray	Louis Cheung	Natalya Kuchernko	Richard Dieu
John Lavoie	Marc Tabet	Nathan Nguyen	Richard Skapski
John Yu	Marc Winer	Nathanael Leung	Rita Gareb
Jordan Beach	Marek Buksowicz	Negin Tousi	Rob Dhillon
Jose Pinto	Mark Anderson	Neil Bright	Robbie Lew
Josh Hewitt	Mark Blamey	Neil Cumming	Robert D'Amours
Joyce Lee	Mark Blamey	Nicholas Koesnadi	Robert Lew
Julia Veerman	Mark Harrold	Nicole Gomes	Robert Teetaert
Julian Espino	Martin Jobke	Nikhil Sachdev	Robert Thibodeau
Kaori Sasakawa	Martin Stegman	Nishant Sheth	Robyn Sherstobitoff
Karan Aswani	Martina Riessner	Oliver Wiart	Rodger Welch
Karen Savage	Maryam Ghorbani	Owen Payne	Roger van der Marel
Karen Spoelstra	Matt Gellis	Paige Cullingworth	Roger Warren
Karim Karimzadegan	Matt Taylor	Palmer Wright	Ron Gratz
Karine Poliquin	Matt Hackett	Parham Joulani	Ron Lee
Kate Kirkland	Matthew Williams	Parham Joulani	Ryan Huang
Katherine Miller	Matthew Dick	Pat Cruickshank	Ryan MacPherson
Katie Nichols	Maurizio Ponzini	Patrick Zerr	Saavin Khurana
Katty Wang	Max Lauretta	Paul Evans	Sam King
Kean Andruski	Meena Venkataraman	Paul Kilkenny	Sammy Lee
Keana Lii	Mehdad Bozorgnia	Paul Wilson	Samson Chan
Kelvin Carey	Melina Mascarenhas	Pedram Kaheh	Samuel Arulnathan

Volunteers - Continued

Sandy Sun	Taran Bains
Santino Pirillo	Taylor Wheeler
Sany Zein	Thomas Hoffschild
Saqib Khan	TiaShapka-Fels
Sarv Jahankhani	Tijana Smiljanic
Satej Kulkarni	Tim Stanley
Scott Campbell	Tim Stevens
Scott Loptson	Timothy Phelan
Selena Wilson	Todd Bowie
Shane Johnson	Trevor McKenzie
Shara Viaje	Trevor Towers
Sharon Batchelor	Tyla Hay
Sharon Killick	Umar Alfaruq
Shayan Hamid Reza	Vanessa Quinn
Sheldon Gull	Victoria Kilpatrick
Sheldon North	Vipin Sharma
Shirley McLaren	Will Eisbrenner
Shiva Lofti	Yariv Ben-Shooshan
Sidney Roy	Yasamin Rafi Nazari
Siyu Lin	Yashar Mosaferi
Sonny Bharaj	Zane Sloan
Stacey Kons	
Stefanie Naidoo	
Stephanie Wall	
Stephen Gardner	
Stephen Horsman	
StephenWalsh	
Steve Croxford	
Steve Fleck	
Steve Hobbs	
Steve Tarr	
Suki Gill	
Sumita Tayal	
Sunny Mangat	
Susanne Murphy	
Suzanne Powell	
Svetla Dobрева	

ACEC-BC Corporate Members

AECOM Canada Ltd.
J.E. Anderson & Associates
Aplin & Martin Consultants Ltd.
Associated Engineering (B.C.) Ltd.
Ausenco Engineering Canada Inc.
BBA Inc.
BGC Engineering Inc.
Binnie Consulting Ltd.
Black & Veatch Canada
Brown and Caldwell
Bunt & Associates Engineering Ltd.
Bush Bohlman & Partners
Roy Campbell Ltd.
CDM Smith Canada
Chatwin Engineering Ltd.
CIMA Canada Inc.
Collings Johnston Inc.
COWI
CTQ Consultants Ltd.
CWMM Consulting Engineers Ltd.
DIALOG
Dillon Consulting Limited
DMD & Associates Electrical Consultants
exp Services Inc.
Fast + Epp Structural Engineers
Frykberg Innovations Inc.
GeoWest Engineering Ltd.
Golder Associates Ltd.
Great Northern Engineering Consultants Inc.
Gygax Engineering Associates Ltd.
Hatch Ltd.
HDR Corporation
Hedgehog Technologies Inc.
Horizon Engineering Inc.
IBI Group
InterCAD Services Ltd.
ISL Engineering and Land Services
Jacobs
Jensen Hughes Consulting Canada Ltd.
Kerr Wood Leidal Associates Ltd.
Peter Kiewit Sons ULC
Klohn Crippen Berger Ltd.
Knight Piésold Ltd.
Koers & Associates Engineering Ltd.
Kontur Geotechnical Consultants Inc.
Layton Consulting Ltd.
McElhanney
McMillen Jacobs Associates
MCW Consultants Ltd.
Moffatt & Nichol
Morrison Hershfield Limited
Mott MacDonald Canada Limited
Northwest Hydraulic Consultants Ltd.
Onsite Engineering Ltd.
Parsons Inc.
PBX Engineering Ltd.
Pinchin Ltd.
Piteau Associates Engineering Ltd.
RAM Consulting Inc.
Read Jones Christoffersen Ltd.
RKTG Associates Ltd.
Senez Consulting Ltd.
SKC Engineering Ltd.
Smith + Andersen
SNC-Lavalin
SRK Consulting (Canada) Inc.
Stantec
Stratice Consulting
Tetra Tech Canada Inc.
Thurber Engineering Ltd.
TWD Technologies Ltd.
Urban Systems Ltd.
Villholth Jensen & Associates Ltd.
Watson Engineering Ltd.
West Coast Road Testing & Consulting Ltd.
Westmar Advisors Inc.
Wood Canada Ltd.
WSP Canada Inc.

ACEC-BC Associate Members

BA Blacktop

Bay Wealth Management / Investors Group Financial Services Inc.

BFL CANADA Insurance Services Inc.

Central Nervous Systems Inc.

Clark Builders

Flatiron Constructors Canada Limited

Graham Infrastructure Ltd.

Harper Grey LLP

The Langley Concrete Group

Metrix Professional Insurance Brokers

Penta Solutions Corp.

Singleton Urquhart Reynolds Vogel LLP

SLS Lighting

Twining, Short & Haakonson, Barristers

Vector Geomatics Land Surveying

Vega Instruments Canada

Wylie-Crump Limited