



A P E G S

*Association of Professional Engineers
& Geoscientists of Saskatchewan*

2020 Annual Report



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& Geoscientists of Saskatchewan*

On the cover, left to right:

Executive Committee members of council from 2020-2021: Andrew Lockwood, P.Eng., FEC – President, Kristen Darr, P.Geo. – President-Elect, John Desjarlais, P.Eng. – Vice-President, Terry Fonstad, P.Ag., P.Eng., FEC, FGC (Hon.) – Past President

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President's Report

May we live in interesting times... As I sit here at my kitchen table, I would argue engineers and geoscientists are generally not known as boastful people. I am flipping that sentiment by proclaiming that I cannot think of a better group of people to be associated with.

At no time in my career have I been prouder of the dedication to public service than during this COVID-19 pandemic. Members have demonstrated innovation and flexibility in their work and our volunteers and staff have risen to a challenge no person could have foreseen a short time ago.

The business of regulating a profession on behalf of the public does not take a year off due to COVID-19. Neither does APEGS. The staff managed to adapt their entire operational and regulatory roles to remote work environments.

I am very proud to state that although we only saw a 10-per-cent reduction of applications, the Association was able to maintain processing of registrants at a similar pace to past years.

As you will see in the Registrar's report, we increased our total membership this year. I also appreciate the patience shown by our licence holders and applicants as we waded through this new territory.

And that is only the first change we managed. The next one we put on our shoulders.

Our Governance Change project took massive strides over the past year, with the Governance Change Task Group (led by Stormy Holmes, P.Eng., FEC, past president 2019-2020 and staff support from Tina Maki, P.Eng., FGC (Hon.), FEC) proposing 33 changes to the Association. Each of these included fully fleshed out feasibility plans, followed by a council decision on whether to adopt the recommendation.

Each proposed change to the Association was deliberate, well researched and always in the public interest. The debates were passionate but always respectful, with council as a whole getting behind a decision once it was settled.

The strive for a continuously better Association is one of many reasons I love the work we do at APEGS and respect the heck out of the people who make it happen.

Some of the outcomes of the project will require bylaw changes that will be put forward to you the members for approval at the 2021 annual meeting. These changes affect every aspect of APEGS, from council size and composition to board and committee structures.

Improvements to public representation, risk management and corporate governance are among the major benefits the Association will see if they are

adopted. The work does not stop at the annual meeting, with many of the items taking place over the next several years, as council and board compositions change and plans are executed with our stakeholders.

Did I mention another change? Am I getting paid by the change?

I consider it a blessing that we were able to provide an annual meeting through the ongoing health restrictions in place. Thanks to the APEGS staff, led by Fergus Earnshaw, P.Eng., we were able to host the first online annual meeting in September 2020 and will be doing so again in May 2021.

The loss of camaraderie is palpable, but the silver lining to this shift is it makes the meeting more accessible to our diverse membership across the world.

If we are making changes, why not GIT going all the way? (Yes, I know I should not shorten it, but the dad joke was too strong for me not to.)

I am proud to state that our geoscientists-in-training can now use the same online competency-based assessment (CBA) that the engineers-in-training have been working with for two years. This shift to a competency-based assessment of our members-in-training is just another sign the Association is always reflecting on improvements to the regulatory process.

In the vein of geoscience, I would like to acknowledge the work of Geoscientists Canada throughout the past year. Even though we have been unable to travel, technology still allowed cross-country contact with our sister associations.

I would like to thank our director Kevin Ansdell, P.Geo., FGC, FEC (Hon.), for his work and congratulate him on his recent election to President-Elect of Geoscientists Canada. The organization will be in good hands with him at the helm.

Engineers Canada also had to switch to a digital model and have made the best of the situation as well.

Our director, Dwayne Gelowitz, P.Eng., FGC (Hon.), FEC, has reached his term limit. I would like to thank him for the countless hours he volunteered in that role.

One change I am excited to see is the modernization of our nominating process with the outcomes from the Nominating Criteria Task Group, led by Peter Jackson, P.Eng., FGC (Hon.), FEC, past president 2011-2021. Their work is necessary for our Council to become the best possible.

By developing criteria for self-evaluation of the Council and the Association, we will be able to select Council candidates that bring the necessary experience and perspective to help APEGS achieve its regulatory objectives and maintain a safe and prosperous province.

Change may come from within, but it is not possible without a lot of help. I would like to thank Judy Brinkhurst and Sharon Evaniew for their support of Council and executive, respectively. Both have been exceptionally patient with me, as the self-admitted forgetful president that bumps into timelines quite often.

Sheena August has been another asset to the president, as her communications guidance on sensitive regulatory matters is well-received.

Shawna Argue, P.Eng., FGC (Hon.) FEC, FCSSE, has been absolutely indispensable to the Association over the last several years, both as a volunteer and on staff. I would like to wish her well in retirement and hope she enjoys the gold star.

I would like to recognize our Executive Director and Registrar Bob McDonald, P.Eng., FGC (Hon.), FEC FCSSE, for assembling and leading a great team to help the Association through this year's challenges.

My fellow council members, including our President-Elect Kristen Darr, P.Geo., and Vice-President John Desjarlais, P.Eng., make every Council and executive meeting an absolute joy to chair and I look forward to the success they will bring to the association in the future.

Finally, I want to thank Terry Fonstad, P.Eng., FGC (Hon.), FEC, our outgoing past-president. He has been a mentor for my professional growth and has challenged my viewpoints in the best possible way. I wish him and all our volunteers all the best in their future endeavours. May they only experience more change.

Respectfully submitted,

Andrew (Drew) Lockwood, P.Eng, FEC
President

Executive Director and Registrar's Report

Where to start?

The year started off similar to most – the end of renewal season in January, Council meeting in Saskatoon in early February, Engineers Canada winter meetings in Ottawa in late February, a meeting with the Dean of Engineering and Department Head of Geology at the University of Saskatchewan in early March, along with an Executive Committee meeting.

On March 11, 2020, the World Health Organization declared COVID-19 a global pandemic and life and work as we knew it has not been the same since. Little did we expect that a year later the impact of the pandemic would be continuing and ever evolving.

In mid-March 2020, the APEGS office closed to the public, safety protocols were put in place and staff was provided the option to work remotely. This was quickly followed by closure of the APEGS office with staff working remotely.

Staff developed work procedures to permit the regulatory operations to continue. However, many planned events and essentially all travel were cancelled or rescheduled using an electronic format. This included activities like Council meetings, professional development activities, the APEGS annual meeting, the law and ethics seminar and the professional practice examination.

Near the end of August, the situation seemed promising. Staff were provided with the opportunity to work at the office. The Occupational Health Committee developed safety protocols, including processes for contact tracing, if necessary, before staff were permitted to return.

This return was short-lived, however, as the number of infections rose dramatically. The office again closed, with the minimum staff necessary for the renewals working from the office.

We continue to monitor the pandemic in Saskatchewan and anticipate a staged reopening of the office that will not jeopardize the health of staff, volunteers, members and applicants. Staff and volunteers quickly learned how to conduct their meetings electronically.

I offer a great thank you to our staff for their dedication and work during these trying times and special recognition of our IT support group for providing technical support for operations and events. It has been challenging, but perhaps a bit easier as we do things for the second time.

Last year, I reported a governance review project was underway to assess APEGS' regulatory and advocacy activities, its board and committee structure, Council size and structure and its staff organization. In response to the

consultant's report, Council started to review each of the 33 recommendations contained in the report, including the feasibility of each recommendation and, ultimately, a recommendation proposal.

At the end of 2020, Council was about halfway through reviewing the recommendations. This year should see Council review the balance of the recommendations and steps taken to implement those recommendations that Council determines should be adopted.

Council, staff and the consultants have been actively communicating and consulting with stakeholders affected by these recommendations to reduce uncertainty resulting from these changes.

Registration

APEGS' overall membership increased 3.4 per cent in 2020. The number of licensed professional engineers and professional geoscientists in Saskatchewan essentially stayed the same in 2020, with the two categories showing the largest growth being those with a licence waiver and life members.

MEMBERSHIP STATISTICS

Membership Category	2019	2020	Change	% Change
Professional Engineers	8,178	8,196	18	0.0%
Professional Geoscientists	571	549	(22)	(0.04)%
Engineers-in-Training	1,979	2,133	154	7.8%
Geoscientists-in-Training	209	195	(14)	(6.7)%
Geoscience Licensees	9	9	0	0%
Engineering Licensees	123	138	15	12.2%
Temporary Licensees	19	11	(8)	(42.1)%
Licence Requirement Waived: (P.Eng./P.Geo./Licensee/Members-in-Training)	2,072	2,311	239	11.5%
Life Members (P.Eng. & P.Geo.)	1,182	1,282	100	8.5%
Total – Members / Licensees	14,342	14,824	482	3.4%
Resignations: Members & Licensees	555	473	(82)	(14.8)%
Permission to Consult Applications	512	387	(125)	(24.4)%
Certificates of Authorization	1,305	1,340	35	2.7%

Brackets indicate (decrease)

There also was a significant increase in the number of engineers-in-training, mostly arising from the ongoing number of applications received from international engineering graduates.

At the 2019 annual meeting, APEGS members confirmed bylaw amendments that saw a change from the paper-based work experience reporting system to a competency-based, online work experience reporting system for engineers-in-training.

APEGS participated in a pilot project for a similar reporting system for geoscientists-in-training and APEGS members confirmed bylaw amendments at the 2020 annual meeting to adopt a similar reporting system for geoscientists-in-training. The new system took effect on January 1, 2021.

Continuing Professional Development

APEGS members approved bylaws and implemented a professional development program, with a requirement that members and licensees report on their professional development activities annually.

The first year of the program was 2019 and members were required to report on their 2019 activities by January 31, 2020. The Continuing Professional Development Compliance Committee monitored and reviewed the reporting and considered requests for variations from the program.

It also conducted its review procedures and a certain number of reports. The committee considered 2019 as a trial year for both members and the administrative systems, so there were no consequences for not being compliant.

Members and licensees are expected to report their professional development activities and comply with the requirements for 2020. The committee will be undertaking its review and communicating with members as required.

Volunteerism and Outreach

APEGS relies on the professional expertise of its members and licensees in its regulatory processes and outreach activities. In 2020, most meetings were conducted electronically rather than the typical in-person / teleconference format. Unfortunately, we all lose the kinship and networking that develops from the personal interaction.

APEGS also has volunteers that participate with our national federations – Engineers Canada and Geoscientists Canada – as well as the constituent

societies. We hope we can return to in-person meetings.

Many of the outreach and government relations activities involving APEGS were cancelled for 2020 or delivered in an alternate format.

To all our volunteers, APEGS recognizes it has been a difficult year, both personally and professionally. Please accept my heartfelt thank you for persevering under less-than-ideal circumstances. APEGS remains heavily reliant on your contributions and looks forward to a return to some sense of normal, whatever it may look like.

Throughout 2020, I had the opportunity to work closely with Executive Committee and Council. I would like to offer my thanks for their support, and particularly to Past-President Terry Fonstad, P.Eng., FGC (Hon.), FEC and President Drew Lockwood, P.Eng, FEC.

I wish to offer my sincerest thanks to my colleagues – the dedicated staff of APEGS has maintained service levels to the public, APEGS members and applicants throughout the pandemic.

Respectfully submitted,

Bob McDonald, P.Eng., MBA, LL.B., FEC, FGC
(Hon.), FCSSE
Executive Director and Registrar

Public Appointees

The Government of Saskatchewan appoints two members of the public to the APEGS Council. These representatives are independent members of the public working together with the elected members of the APEGS Council to represent and protect the public interest in the outcomes of decisions made by Council in regulating the professions of engineering and geoscience in the province.

Public appointees serve on either the Investigation Committee or the Discipline Committee. They are appointed for a three-year term, which can be renewed for an additional three years. However, terms can be extended until a replacement is appointed by the government.

As public representatives on Council, this 2020 report presents our opinion on how the APEGS Council has met its mandate over the past year.

The main focus of Council in 2020 was the Governance Change Project. It was made clear that any of the changes to the governance model were to protect the public and not the interests of the membership.

There is good progress being made with 12 recommendations approved and an outline to move forward with feasibility studies on the implementation of the remainder. Also, one public appointee has been added to the Audit Committee.

Last year (2020) presented some challenges with the way meetings are conducted. The last fully in-person meeting of Council was February 2020, with subsequent meetings being held online.

The September Council meeting was a blend of in person and online. The APEGS staff, as well as support staff, did a good job ensuring this went smoothly and that all opinions and questions could be heard. Subsequent meetings have returned to fully online and are working well.

The investigation and discipline processes are well managed by staff, committee members and independent legal representatives.

In closing, it is our opinion that the APEGS membership is well served by Council and the dedicated staff. APEGS is seen as a leader among our peers in self-regulation provincially and nationally. APEGS is fortunate to have an accomplished leadership team.

Respectfully submitted,

Wendell Patzer, Public Appointee
Stu Ritchie, Public Appointee

Investigation Committee

The Engineering and Geoscience Professions Act and Bylaws state that APEGS has the responsibility and jurisdiction to investigate complaints alleging professional misconduct and/or professional incompetence of its members, licensees, or holders of a Certificate of Authorization.

To fulfil this requirement, the APEGS Council appoints an Investigation Committee comprised of volunteers from its membership, as well as one public appointee. To maintain confidentiality and fairness in the investigation process, the Investigation Committee completes its investigations independently of the Discipline Committee and the APEGS Council.

The Investigation Committee initiates the investigation process when either a written complaint is received, or when requested by APEGS Council. The investigation process is led by the volunteer members of the investigation committee with support from APEGS staff and external legal counsel and includes gathering, examining and weighing evidence, generally over the course of multiple meetings.

The full investigation process can take more than a year to complete, especially in more complex cases. In cases where the investigation committee requires additional information related to the subject matter or assessment of the conduct of the member, the committee can request APEGS staff commission an independent external expert to review evidence and provide an opinion.

Upon completion of its investigation, the committee can conclude the matter be forwarded to the Discipline Committee for a hearing, or it may recommend that no further action be taken. The conclusions are presented to the complainant, the member being complained against, the APEGS Council and the Discipline Committee in a written report.

When the Investigation Committee recommends that no further action be taken, complainants may request that Council review the recommendation if they feel the investigation committee did not fully and fairly follow the investigation process.

Because of the COVID-19 pandemic, the Investigation Committee conducted six of seven meetings online in 2020. Sixteen active investigations were in progress and the Investigation Committee received five new complaints in 2020.

The complexity in three matters resulted in the Investigation Committee engaging outside independent consultants to provide technical expertise.

Throughout the year, the committee referred three cases to the Discipline Committee, pending completion of the pre-hearing conferences and completed five reports recommending no further action be taken.

Discipline Committee

The Investigation Committee ended 2020 with five active investigations ongoing and 16 matters substantially complete.

In total, 15 individuals work together to complete the objectives of the Investigation Committee, comprising 12 APEGS member volunteers, the public appointee, external legal counsel and staff support.

Thank you to all for their outstanding efforts in supporting the work of the Investigation Committee.

Respectfully submitted,

Margaret Ball, P.Eng., FEC
Chair

Under the provisions of *The Engineering and Geoscience Professions Act* and Regulatory Bylaws, the Discipline Committee has the responsibility to act on formal complaints referred by the Investigation Committee.

A discipline hearing panel, constituted from the Discipline Committee, hears complaints regarding the conduct of individuals and/or corporations registered with and under the authority of the Association to determine whether such conduct constitutes professional misconduct or professional incompetence.

When the discipline hearing panel finds that conduct constitutes professional misconduct or professional incompetence, appropriate disciplinary orders are issued. Decisions of the discipline hearing panel are open to appeal only through the courts.

In 2020, there were no formal complaints made to the Discipline Committee that resulted in discipline hearings.

The committee officially met twice virtually to ensure the safety of its members. There were some transitions on the committee - some members stepped down, while other members were added.

The addition of new members was made to obtain diversity and expertise across disciplines, as well as increase female representation. The committee, with help from the staff support, worked on processes and logistics to host a discipline hearing virtually if required to do so throughout the pandemic.

I would like to thank the dedicated APEGS staff for their work in helping with the business of the committee and preparing for hearings. I would like to thank Wendell Patzer for all the efforts he provided to the committee as he transitions to the Investigation Committee this year. I'd like to welcome Stu Ritchie as our new Public Appointee to the Discipline Committee.

Respectfully submitted,

Brian AuCoin, P.Eng.
Chair

Governance Board

The APEGS Governance Board (now the Regulatory Board) provides for and administers the regulation of the practice of engineering and geoscience on behalf of the people of Saskatchewan in accordance with *The Engineering and Geoscience Professions Act*.

This includes the provision of: (a) A definable and consistent means of identification and registration of practitioners; (b) A current description of professional practice and its scope and mechanisms to promote an understanding of professional practice among employers, government and the public; and (c) ongoing maintenance of policies related to the orderly regulation of practice.

The Governance Board currently consists of the Experience Review Committee, Academic Review Committee, Professional Practice Exam Committee, Licensee Admissions Committee, Continuing Professional Development Compliance Committee and Registrar's Advisory Committee.

As a part of the multi-year APEGS Governance Change project, two longstanding board representatives - the Legislative Liaison Committee and the Saskatchewan Construction Panel Representative - have been stood down. I would like to thank the volunteers involved for the many hours they have volunteered for the Association.

The Experience Review Committee continues to successfully employ the Competency Based Assessment (CBA) system for engineers-in-training and the CBA process has been stood up for geoscientists-in-training, as of January 1, 2021.

The Academic Review Committee applications flattened to a consistent and manageable load and allowed the committee to invest time in process improvements. These improvements should lessen the burden on the committee while maintaining the high quality of review APEGS employs.

The Licensee Admissions Committee continued to see an increase in experienced professionals applying for Licensee registration.

The Professional Practice Exam Committee made a massive pivot to adjust for the lack of in-person coursework and examinations. To allow members-in-training to take the Professional Practice Exam remotely, APEGS adopted the remotely proctored National Professional Practice Exam (NPPE) as the new primary exam for professional practice.

The Continuing Professional Development Compliance Committee (CPDCC) witnessed a full cycle of continuing professional development (CPD) reporting including variation request policies.

The committee has continually made improvements to their process when gaps or improvements were identified. Even with the lengthy amount of education we have provided our members, there is still a portion that is underreported. This keeps the committee very active.

The Registrar's Advisory Committee continues to provide an important role in the governance of APEGS.

All of the above committees must be congratulated for showing the ability to rapidly shift to a remote meeting format. With the guidance of their chairs, the performance of our Governance Board committees has not suffered through COVID-19.

I am proud to have been able to chair a board with such strong leadership.

Finally, I would like to thank the staff members who supported the board and made my job a hundred per cent easier.

Respectfully submitted,

Andrew (Drew) Lockwood, P.Eng., FEC
Chair

Academic Review Committee

Academic Review Committee (ARC) is comprised of 13 voting members and 17 non-voting reviewers.

ARC's mission is to administer the policies and procedures established by Council for the review of the academic qualifications of individuals applying for membership in the Association and to make recommendations to the Executive Director and Registrar as prescribed in Section 20(1) of *The Engineering and Geosciences Professions Act*.

Individuals who have either graduated from a CEAB-accredited Canadian program are registered in another Association/Ordre in Canada, or who otherwise fall under the Registrar's Acceptance List (129 in 2020) are expeditiously registered as a P.Eng./P.Geo. or as a member-in-training without a detailed academic review by ARC.

The ARC reviews applicants with an international bachelor-level education in engineering or geoscience, as well as Canadian geoscience applicants who have been referred to the committee by staff (there is no national accreditation of geoscience programs in Canada).

In 2020, ARC continued to meet monthly.

The assessment of applications by ARC is required to determine if an applicant has a degree with sufficient breadth and depth to practise safely in a Canadian environment and, if not, to identify any deficiencies in the program of study. ARC advises applicants of any deficiencies and provides a clear roadmap for the applicant to correct those deficiencies.

If there are no deficiencies, or once the applicant has fulfilled deficiencies, they will be assigned three confirmatory exams which are intended to confirm that the applicant's program is at a level comparable to a similar program in Canada.

The confirmatory exams may be waived by the ARC in several situations, but most commonly if the applicant has five or more years of acceptable engineering or geoscience work experience at a professional level, as determined by the Experience Review Committee (ERC), or if the applicant holds a graduate degree in a closely related discipline to the bachelor's degree from an acceptable university program, as determined by the ARC.

In 2020, 790 applicants received a result from the Academic Review Committee. About 32 per cent of applicants were processed through one of the ARC bypass options, 211 the ERC bypass (#1) and 140 through International Graduate Degree bypass (#3).

The bypass processes permit staff to process applications that meet certain

criteria without going to an ARC meeting for approval, thus facilitating more timely results for all applicants. In 2020, we reached a steady state, such that once an applicant had submitted all the required documents, they got a result within three to four months.

Between 2015-18, the number of international graduates applying for licensure increased from about 550 in 2015 to about 2,700 in 2018. In 2019, the volumes of applications dropped significantly, to about 890 due to changes in the Saskatchewan Immigrant Nominee Program (SINP). In 2020, the number of international graduate applications dropped slightly to 841 engineers-in-training and 22 geoscientists-in-training.

	ENGINEERING			GEOSCIENCE		
CATEGORY	2018	2019	2020	2018	2019	2020
# of individual applicants (including bypass options)	527	1847	764	12	15	26
# assigned deficiencies	57	186	70	2	8	0
# assigned confirmatory exams	106	395	137	1	0	1
# given ERC option to waive confirmatory exams	69	215	110	1	2	3
# ARC by-pass (ERC option to waive)	1	177	474	221	NA	NA
# ARC by-pass (international grad degree)	3	NA	380	140	NA	NA
# recommend as MIT	109	75	28	8	5	17
# denied	12	78	22	0	0	1
# re-assessments	5	40	36	2	0	4
# other	NA	5	7	NA	0	0
Total files through ARC	353	994	403	14	15	26

ARC is fortunate to have a diversity of committed volunteers who are fluent in a variety of languages, have personal knowledge of Canadian programs, foreign post-secondary educational systems and institutions and personal experience with ARC processes leading to their professional registration in Saskatchewan. Without them, ARC would be unable to complete its mission.

The Academic Review Committee would like to express its sincere appreciation for the hard work of staff at APEGS and for the exemplary service of our volunteers, both current and retired, who have contributed greatly to the success of ARC and APEGS. In particular, we would like to recognize the outgoing Chair, Dr. Malcolm Reeves, P.Eng., P.Geo. who has shepherded the committee through two and a half years, during which the workload was the highest it has ever been. He has set a new standard for diligence and did it all with a great sense of humour.

Respectfully submitted,

Brad Schmid, P.Eng.
Chair

The Licensee Admissions Committee administers the policy and procedures established by Council for review of the academic and experience qualifications of applicants seeking to practise engineering or geoscience as an Engineering Licensee or Geoscience Licensee. It also makes recommendations to the Registrar following the completion of those reviews.

Licensee Admissions Committee members are appointed by the Governance Board from a cross-section of academic disciplines, workplace sectors and membership categories.

Engineering Licensees and Geoscience Licensees are members who do not meet the normal academic requirements for P.Eng. or P.Geo. membership, but do have a combination of education and experience that allows them to take responsibility for their own work within a specific and restricted scope of practice.

Engineering Licensees and Geoscience Licensees have the same rights and privileges as P.Eng. and P.Geo. members. The only difference is that licensees have a specific scope of practice defined and approved by APEGS and stated on their licences. This is the scope of practice within which they are able to practise independently.

Depending on their academic background, licensee applicants must have at least five years of work experience that is directly related to the requested scope of practice and under the direct supervision of a P.Eng., P.Geo., Engineering Licensee or Geoscience Licensee. All of the work experience must be post-education.

The Licensee Admissions Committee met three times in 2020 and recommended 10 new Engineering Licensees for approval by the Registrar. There were no new Geoscience Licensees approved in 2020.

Another 17 applicants for interprovincial mobility were approved directly through the Registrar's Acceptance List. At the end of 2020, APEGS membership included 160 (plus four Life Members) Engineering Licensees and 10 (plus one Life Member) Geoscience Licensees.

The Licensee Admissions Committee favours implementation of Competency-Based Assessment (CBA) of the work experience of Engineering and Geoscience Licensee applicants. Implementation date will depend upon completion of the CBA online tool being developed by Engineers and Geoscientist British Columbia.

The committee is grateful to the APEGS staff for invaluable guidance and support.

Respectfully submitted,

Rick Kullman, P.Eng., FEC, FGC (Hon.)
Chair

Experience Review Committee

The Experience Review Committee (ERC) administers the policy and procedures established by Council for the review of work experience reports of members-in-training and other individuals applying for membership with the Association. The committee makes recommendations to the Registrar following completion of those reviews.

The most significant achievement of the ERC in 2020 was preparation for the launch of online Competency-Based Assessment (CBA) for geoscientists-in-training on January 1, 2021. All systems were go and it was launched successfully.

The launch is the fruition of many years of preparation through the co-operation of the geoscience regulators across the country, co-ordinated by Geoscientists Canada and integrated into the existing online CBA system for engineering built by Engineers and Geoscientists BC. The new experience reporting format required document updates, orientation for applicants, training for geoscience Assessors, and regular communications among other details to successfully launch.

On January 1, 2020, the requirement for engineering applicants to demonstrate acceptable experience in the eight Canadian environment competencies came into effect. This requirement was manually monitored for completion in 2020 until November 30 when "Version 2" of the CBA software was launched to enhance the online functionality for the Canadian Environment Competencies.

Two other enhancements to the experience review process were the addition of two new sets of indicators in Building Enclosure Engineering and Software Engineering.

The year 2020 also saw the initiation of an Inter-rater Reliability Assessment project which began with a pilot. This is a nationally co-ordinated project through the CBA pan-Canadian User Steering Team of Engineers Canada. Many APEGS Assessors participated by completing assessments on sample applicants. We will receive the results in the spring of 2021. The pilot is the first step in what is hoped to be ongoing national inter-rater reliability assessment to ensure consistent and fair assessment across the country.

Our regular committee work of auditing experience reports continued with 1,354 experience submissions reviewed consisting of 436 paper-based reports and 918 CBA reports. This compares to 1,179 in 2019 (15-per-cent increase), 748 of which were paper-based reports and 431 CBA.

The transition to the engineering CBA system is happening steadily and we anticipate a similar steady transition to occur with geoscientists-in-training.

This year we also saw the continuation of a high number of applicants that have been referred by the Academic Review Committee (ARC) to submit five years of experience to waive confirmatory exams. A total of 568 reports were reviewed under this process. This compares to 389 reports in 2019, a 46-per-cent increase.

During 2020, an Assessor-Appointee role was created to allow for Assessors who are not committee members, similar to what the Academic Review Committee does. This allowed for a transition to a more workable committee size. By December, committee membership was reduced to 19 people, compared to 35 from one year earlier. Committee size will continue to be reduced to approximately 13 voting members through attrition. Those who did not remain as committee members either transitioned to an Assessor-Appointee role or opted out of continuing with the committee for various reasons.

In 2020, the number of Assessor-Appointees also increased to about 50 to accommodate for the growing number of experience assessments required, especially engineering CBA. That brings the total Assessor pool to approximately 70 people.

In 2020, the committee also addressed the membership performance criteria prescribed in the Terms of Reference for the ERC. Starting in 2021, the ERC will be transparently peer-monitoring the performance of committee members utilizing statistics prepared by staff.

I would like to thank all past and present committee members and Assessor-Appointees for their dedicated and diligent commitment to this important part of the regulatory mandate of APEGS, especially as we continued through another year of significant changes to how the committee completes its primary role of auditing experience reports.

The committee would like to thank our Liaison Councillor and APEGS staff who support the ERC.

Respectfully submitted,

Doug Hird, P.Eng.
Chair

Continuing Professional Development Compliance Committee

The Continuing Professional Development Compliance Committee (CPDCC) monitors the compliance of members to the APEGS' Continuing Professional Development (CPD) Program and falls under the Governance Board.

In 2020, work on the compliance framework continued and we tweaked existing mechanisms to ensure some amount of discretionary flexibility. A new deadline to submit variation requests was established, which allowed for processing and providing feedback to members. The committee saw an increase in the number of variation requests, totalling 193 for the year.

The committee also worked on the 2019 compliance statistics, which resulted in 88 per cent of the membership satisfying the CPD program requirements. In addition to this, a small sample of members were selected for an Assurance Review of their CPD reporting.

Some of the feedback from the review included credits being claimed in a particular category that were not suitable, or too many credits being claimed in a category versus banking of excess credits for future use. Unfortunately, there was a case where a member did not provide evidence to support their reporting. A warning letter from the registrar was issued to the member.

Members are encouraged not to wait until renewal season to update their CPD reporting but at a minimum to do a mid-year update. Also, given recent health-care measures and the impact it may have on the ability to earn credits in certain categories, members are reminded not to wait until the last minute to submit a variation request.

I wish to thank all the members of this committee for their hard work and dedication during 2020 and my sincere appreciation for our APEGS support staff and their valued contributions.

Respectfully submitted,

Sebastian Walrond, P.Eng.
Chair

Professional Practice Examination Committee

The mandate of the Professional Practice Exam Committee (PPEC) is to co-ordinate and direct the Law and Ethics seminars and to oversee the setting and administration of the Professional Practice Exam (PPE).

APEGS typically holds the Law and Ethics Seminar in Saskatoon in the spring and in Regina in the fall each year. Each seminar runs for two days and focuses on preparing new members for the roles and responsibilities of Professional Engineers and Professional Geoscientists in society. The seminar also helps prepare the participants for the PPE.

The major areas covered by the seminar include:

- An introduction to the Association,
- Key laws and regulations for geoscientists and engineers,
- An introduction to the Act and Bylaws,
- Investigation and discipline processes of the Association,
- Professional conduct, ethics and responsibilities.

Because of the COVID-19 pandemic, the spring seminar and exam were cancelled. In the fall, 360 members signed up for the virtual offering of the seminar.

Because of the ongoing restrictions, the PPEC investigated the online offering of the National Professional Practice Exam (NPPE), offered by APEGA. APEGS is the only non-English speaking regulator association not currently participating in the NPPE.

In November 2020, 354 members wrote the NPPE as a pilot project for Saskatchewan. There were 38 failures in the writing of the NPPE, but it was reported that the Saskatchewan members had among the highest pass rate of the participating associations. A survey of participants was sent out after the seminar and exam to review and improve both.

A project to update the seminar content and delivery methods began in 2019 and will continue into 2021.

The PPEC will continue to work with the Professional Development Committee on the delivery of ethics seminars in conjunction with the Professional Development Days.

Respectfully submitted,

Ryan MacGillivray, P.Eng.
Chair

Registrar's Advisory Committee

The Registrar's Advisory Committee reports to the Governance Board. The committee is comprised of five members: The Chairs of the Academic Review Committee, Experience Review Committee, Licensee Admissions Committee, Professional Practice Exam Committee and a Liaison Councillor appointed by Council.

The Registrar will call on the Registrar's Advisory Committee to provide a recommendation on how to proceed with an application for membership or licensure should any question of character arise. The committee uses the Good Character Guideline established by Council as its guide when making decisions.

The committee was not required to meet in 2020. However, they would like to thank the APEGS staff for their continued support.

Respectfully submitted,

Registrar's Advisory Committee

Legislative Liaison Committee

The Legislative Liaison Committee monitors demand-side legislation and proposed regulations to assess potential effects on the Association and its members, related to the practice of engineering and geosciences in Saskatchewan.

Due to the COVID-19 pandemic, there were three abbreviated sittings of the Legislative Assembly; March 4-18, 2020; June 15 - July 3 and November 30 - December 10.

During the second sitting of the Legislative Assembly, seven new bills were introduced. During the third sitting of the Legislative Assembly, 25 bills were introduced. A total of 32 bills were monitored during the year.

The 32 bills that were monitored have no direct effect on the Association and its members related to the practice of engineering and geosciences in Saskatchewan.

The APEGS Governance changes resulted in the Legislative Liaison Committee to be discontinued, with the responsibilities transferred to APEGS staff commencing in 2021.

Respectfully submitted,

Myron Herasymuik P.Eng., FEC
Chair

Saskatchewan Construction Panel

The Saskatchewan Construction Panel (SCP) is a forum for exchange of ideas between the public and private sectors of the construction industry. Topics such as construction research, industry activity, limitation of liability, PST, fees and services, government tendering policy, consultant contracts and construction contracts are ongoing topics of discussion.

The co-chairs of the Saskatchewan Construction Panel are Mark Cooper, President of the Saskatchewan Construction Association, and Warren Michelson (former MLA for Moose Jaw North). These people represent the construction industry and government, respectively.

At end of 2020 there will be a new co-chair for the Saskatchewan Construction Panel as Mr. Michelson did not run in the last provincial election. There was no fall meeting of the Construction Panel due to the election and COVID-19.

In May, there were meetings to provide information on the Provincial Stimulus Package. This program provided \$7.5 billion of spending to help the Saskatchewan economy over the next two years.

This provided targeted spending on capital projects to create employment throughout the province. Those projects that are shovel ready were to have been done in the 2020 construction season and other projects will be designed in 2020 ready for construction in 2021.

Updates were provided on the Prompt Payment Legislation. In prior years there were concerns expressed about length of time for residential and commercial building permit approval. The City of Regina created a task group that reviewed the building permit process and created objectives of desired times for building permit approvals.

'In 2020, there was a high percentage of times the building permits were approved in the targeted timeframes.

As part of the Governance Change Project, the role of the liaison with the Saskatchewan Construction Panel has been transferred to APEGS staff,

I want to thank the APEGS staff who have been very helpful.

Respectfully submitted,

Gordon Beck, P.Eng., FEC
APEGS Appointee

Image and Identity Board

The Image and Identity Board (I&I Board) promotes the value of engineering and geoscience within the professions and to the public through member engagement, recognition and through communications and public relations.

The I&I Board is chaired by the President-Elect and is composed of the committee chairs and liaison councillors from the five committees reporting through the I&I Board.

The APEGS Communications Manager continues to act on the communications strategy for the organization that encompasses a stepwise process of research and planning followed by implementation.

In 2020, the board continued to focus on initiatives that align with the Association's statutory objects, while also consulting on Governance Change Project items that impact the board.

In December, Council approved recommendations to stand down *The Professional Edge*, Communications and Public Relations and Connection and Involvement Committees, effective December 31, 2020. The responsibilities of these committees will be transferred to staff and to the Communications Manager.

Awards Committee (Awards): The committee's mandate is to lead APEGS initiatives and programs that seek to recognize members' achievements. The committee develops criteria for APEGS awards, seeks nominees and recommends award recipients to the I&I Board. It also administers and awards the annual member education grants.

Nominations of members for awards administered by other organizations are also developed. The committee is continually working on strategies and methods to increase nominations.

Communications and Public Relations Committee (CPR): The committee's mandate is to raise the awareness and profile of the engineering and geoscience professions within APEGS and other professional organizations, government, the business community and the public.

The CPR and *The Professional Edge* committees created a common committee member to maintain consistency between these two related committees. The public relations campaign continued its campaign with the tagline '*Regulating the professions. Protecting the public*', tying back to the Association's objects.

Connection and Involvement Committee (C&I): The committee's mandate is to enhance the experience of APEGS members. The committee's work focused on improving information channels and connections with the constituent societies.

Awards Committee

In 2020, the annual meeting preparation was transitioned to staff and was held as a virtual meeting in September because of COVID-19.

Equity and Diversity Committee (E&D): The committee's mandate is to provide leadership for APEGS on equity and diversity goals, to foster an understanding of the importance of equity and diversity within the engineering and geoscience professions and to lead or participate in initiatives to attain and celebrate the achievement of equity and diversity goals.

In 2020, Council approved that the Chair of the E&D Committee will also carry the role of Inclusivity champion to represent APEGS.

The Professional Edge Committee (Edge): The committee's mandate is to publish the *Edge*, the Association's magazine, in both print and digital format. The committee develops themes, sources content and provides editorial services.

I want to thank all of the volunteers and staff that support the work of the board. The past year has brought many challenges and a lot of change, it is the hard work of our chairs and committees that assists our professions and organization with maintaining the public's confidence and safety.

Respectfully submitted,

Kristen Darr, P.Geo.
Chair

Your Awards Committee has been given a mandate from Council to consider and recommend recognition for members' achievements by:

- Reviewing awards and their criteria and maintaining their currency as established by Council.
- Developing new awards and criteria to be recommended for establishment by Council through the Image and Identity Board.
- Annually seeking potential award candidates, reviewing nominations and making recommendations for awards to the Image and Identity Board for furtherance to Council.
- Seeking member candidates and, when appropriate, making recommendations to the Image and Identity Board for the submission of nominations for local, provincial, national and international awards offered to engineers or geoscientists.
- Seeking member candidates and making recommendations to the Image and Identity Board for submission of nominations for other awards as deemed appropriate by the Awards Committee, the Image and Identity Board and/or Council.
- Seeking qualified member candidates and making recommendations for Fellowship of Engineers Canada and/or Geoscientists Canada.

Although numbers were down slightly in 2020, the Awards Committee reviewed several excellent nominations. Individuals were chosen for their exemplary work in the areas of engineering/geoscience achievement, service to the profession and service to the community.

One individual, who is not an APEGS member, was recognized for unique contributions in the promotion of the professions. The project award recognized a team of Saskatchewan geoscientists and engineers for an exceptional contribution to the province.

The seven awards presented during the 2020 Annual Meeting were:

Brian Eckel Distinguished Service Award: Dennis Paddock, P.Eng., FEC, FGC (Hon)

Outstanding Achievement Award: Dr. James Christopher, P.Geo.

McCannel Award: Mathew Dunn, P.Eng. Exceptional Engineering/Geoscience Project Award: Saskatchewan Ministry of Highways – Foundation Investigation, Manua– Harpreet Panesar, M.Sc., P.Eng.

Environmental Excellence Award: Michael Nameth, Engineer-In-Training

Promising Member Award: Kai Li, P.Eng.

Friend of the Professions: Meghan Moore

Awards Committee continued

In recognition of noteworthy service to the professions several individuals were bestowed with the title of Fellow of Engineers Canada (FEC) or Honorary Fellow of Engineers Canada, FEC (Hon.) or the title of Fellow of Geoscientists Canada (FGC) or Honorary Fellow of Geoscientists Canada (FGC (Hon.).

2020 was the seventh year APEGS provided Member Education Grants. These grants provide financial support to APEGS members by furthering their education in graduate studies at either the University of Regina or the University of Saskatchewan.

The Awards Committee was once again extremely pleased to award all six available grants of \$7,500 each.

Special appreciation goes to the volunteers and the APEGS staff for their continued support of the Awards Committee.

Respectfully submitted,

Bert Munro, P.Eng., FEC, FGC (Hon.)
Chair

Connection and Involvement Committee

The Connection and Involvement Committee (C&I) works to enhance the APEGS membership experience by providing opportunities and information related to involvement, benefits and activities within APEGS and the constituent societies.

Some of the added services the C&I Committee helps to make available to APEGS members include:

- Annual Meeting and Professional Development Conference and networking activities,
- Annual Salary Survey,
- Volunteer orientation and recognition,
- Review of the Constituent Society Grants,
- Development and maintenance of membership benefits and affinity programs.

In 2020, the planning and preparation for the 90th Annual Meeting and Professional Development Conference hosted in Saskatoon from April 30 - May 2 was transitioned from a subcommittee of the C&I Committee to APEGS staff and the APEGS Professional Development Committee. A virtual Annual Meeting was held on September 18.

The Annual Salary Survey was completed by members in March and April. Insightrix Research Inc. delivered the online survey through email to 6,323 APEGS members. A total of 1,788 members completed the survey, which was a 28.3 per cent response rate.

The salaries reported were as of December 31, 2019 and results were presented in the July/August issue of *The Professional Edge* and are available on the APEGS website.

APEGS operates by the efforts of many volunteers. As a token of appreciation, Bernard Callebaut chocolates were mailed to more than 330 APEGS volunteers. The chocolates were a great way to thank all APEGS volunteers throughout the province.

As part of the Governance Change Project and the decision of council on December 4, 2020, the C&I Committee was dissolved, effective December 31, 2020.

Respectfully submitted,

Catherine Griffith, P.Eng.
Chair

Professional Edge Committee

The Professional Edge Committee mandate is to publish current and relevant articles regarding subject areas of interest to the Saskatchewan community of professional engineers and geoscientists and to set business and publishing policy. To meet this mandate, *The Professional Edge* Committee publishes *The Professional Edge* once every two months.

The Professional Edge covers an array of topics and articles. Each edition focuses on a central theme that relays at least one unique aspect of engineering or geoscience in Saskatchewan.

It is the committee's intent to provide a balanced perspective regarding the articles contained in the publication and to engage as many different areas of interest as possible among the large and diverse membership. It is the committee's intent that each issue contains relevant material for all readers.

To this end, the committee invites input from members and ideas for articles to be included in the publication. Publications for 2020 included the following themes:

- Profiles in Achievement (January/February).
- Geoscience (March/April).
- Covid-19 Pandemic (May/June).
- Automation (July/August).
- Geoscience and Engineering - Working Together (September/October).
- Resources and New Energy Development (November/December).

The Professional Edge remains a print magazine and is regularly accompanied by a mobile electronic version called the *e-Edge*. The portable document format (pdf) export of the print magazine is the official archive. Visit the APEGS website for the historical archive of engineering and geoscience in Saskatchewan. A combination of both the print and electronic versions of the publication are available.

Publishing *The Professional Edge* was a combined effort of the members of The Professional Edge Committee, the communications manager and the writing and editorial skills of Martin Charlton Communications.

This year the committee solicited interest from more than 100 members who are registered on the APEGS volunteer database and had expressed interest in volunteering for the Edge Committee. The committee used the responses to select four members to join the committee.

As part of the Governance Change Project, council sunset the committee, effective December 31, 2020 and transferred the responsibilities to the communications manager, Sheena August. Members are encouraged to share their thoughts regarding the publication with the communication manager by emailing APEGS@APEGS.ca or calling the APEGS office.

The committee acknowledges the contributions of its volunteers and expresses its gratitude to the APEGS staff for providing support.

Respectfully submitted,

Xiangning Li, P.Eng.
Chair

Communications and Public Relations Committee

The committee's purpose, as defined in its terms of reference, is to co-ordinate the public relations activities of the association, especially to develop and organize the annual awareness program, participate in Engineering and Geoscience Week and provide oversight for sponsorships, advertising and tradeshow.

In 2020, the committee mostly met virtually and worked closely with APEGS' communications manager to achieve more consistency and continuity in our communications and public relations activities. As part of the Governance Change Project, council sunset the committee, effective December 31, 2020 and transferred the responsibilities to the communications manager.

Below are some highlights on what the committee did in 2020 to maintain and increase a positive public opinion of APEGS and the professions in keeping with its fiduciary responsibilities.

Engineering and Geoscience Week

Since Engineering and Geoscience Week 2019 featured engineering with the initiative to introduce the movie *Dream Big: Engineering Our World* in all Saskatchewan schools, 2020 featured geoscience.

APEGS partnered with the Saskatchewan Geological Society (SGS) to create and introduce GeoExplore Saskatchewan, an interactive map and online resource for teachers and the public. It features information on an array of geological points of interest and geoscience concepts that explain their origins.

On March 3-4, 2020, APEGS and the society introduced the map to Regina and area students at the annual Saskatchewan Geological Society school lecture as a demonstration and a hands-on learning experience for students.

APEGS also continued to fund the opportunity to make *Dream Big: Engineering Our World* and accompanying educational resources available to teachers on the Ministry of Education's ROVER service (Recommended Online Video Education Resources) for students to explore how engineers solve big and small problems to improve lives.

APEGS continued the usual practice of placing a newspaper feature in the Regina Leader-Post and the Saskatoon Star Phoenix to introduce the newest professionals licensed with APEGS, to publicize the role that engineers and geoscientists play in the lives of Saskatchewan residents and to reinforce the mandate of APEGS to regulate the professions in the public interest.

Advertising Campaigns

APEGS introduced a new advertising campaign in spring 2020 that featured geoscience in connection with introducing GeoExplore Saskatchewan for Engineering and Geoscience Week 2020. For the fall, APEGS expanded the campaign to include engineering with the tagline Discover. Develop. Design.

The ads aired on radio, on billboards and online. There was also a logo sponsorship on the Global TV morning news show. APEGS continued to use the slogan 'Regulating the professions. Protecting the public.' to emphasize APEGS' role as a regulator.

Respectfully submitted,

Agnel A George, P.Eng.
Chair

Equity and Diversity Committee

In 2020, the Equity and Diversity Committee adapted to the ongoing COVID-19 challenges, strived to provide leadership on equity and diversity matters and continued to ensure APEGS is free of bias and exclusion. The committee made significant progress throughout the year in matters related to the equity groups like women in engineering and geoscience, Indigenous peoples and other minority groups.

As planned in 2019, we finally moved away from a subcommittee structure. The committee strived to meet its objectives as a single unit.

In June 2020, the role of Inclusivity Champion became part of the Equity and Diversity Committee chair's duties. Since then, the champion representing APEGS has attended several 30 by 30 strategic meetings with Engineers Canada and other regulators.

APEGS continues to be committed to the maintenance of programs and partnerships that lead to an improved experience for women in engineering, collecting metrics on the number of women in engineering and to support the increased participation and retention of female engineers.

The Equity and Diversity Committee developed Terms of Reference to undertake the development of guidelines on the application of the Truth and Reconciliation Calls to Action for Indigenous people. The objective is to develop and formalize actionable recommendations to be undertaken by APEGS staff and volunteers to meet the Calls to Action, in accordance with the motion passed at the 2019 AGM and to support positive interactions and relationships between Indigenous peoples in Saskatchewan and APEGS.

Members of the Equity and Diversity Committee were heavily involved in the organization and planning of the CAISES 2020 gathering. This was a national STEM conference for Indigenous students, professionals and allies. The 2020 gathering (third annual gathering) had more than 170 participants (the largest to date) and received the highest amount of corporate sponsorship to date.

Plans for the International Graduates seminar during the 2020 annual meeting were postponed as a result of logistics challenges caused by the COVID-19 pandemic. However, this committee found ways to remain engaged. The Connector Program platform is an example. The Equity and Diversity Committee will discuss the possibility of offering this seminar in 2021.

The Equity and Diversity committee would like to thank volunteers, staff, council and the Image and Identity Board for their work and commitment to APEGS and look forward to a successful 2021.

Respectfully submitted,

Elvia Torres Morales, P.Eng.
Chair

Education Board

The APEGS Education Board consists of the K-12 Committee, the Student Development Committee, the Professional Development Committee, the Environment and Sustainability Committee and representatives from the University of Saskatchewan and University of Regina Senates.

The year 2020 started out like most with the Education Board set to execute activities aligning with the objects of the association, mission, vision and strategy outlined by council and the Act. Each committee reviewed its Initiatives and Action Roster against the objectives of the Act and updated activities and budgets accordingly.

Last year also saw the Governance Review Project evolving into the Governance Change Project in which a steering committee was struck to oversee the project and provide guidance in reporting back to council.

This meant working with the Education Board and committees in the evaluation of recommendations that have potential impacts to the existing governance of the board and its committees. In addition to advancing the Governance Change Project, the COVID-19 pandemic also had an impact on the board and committee activities with how in-person events and activities were supported and participated in.

The Professional Development Committee advanced its renewed focus on providing professional development opportunities for members. The committee continues to play an active role in developing and organizing professional development for the members, including modernizing PD activities like increasing online and ethical training sessions to help ensure members have opportunities to continue their professional development and competence as practising professionals.

The K-12 Committee serves to promote and encourage awareness and participation in Science, Technology, Engineering and Mathematics amongst Kindergarten to Grade 12 students, their educators and caregivers. The committee was able to continue serving its mandate, optimize its funding protocols and pivot with the organizations and people they support during the pandemic to continue to support remote and virtual activities.

The Student Development Committee works with future professional members to develop that understanding of professional obligation under the act and the objects of the Association. This is accomplished through alignment of funding activities with the associations duties in regulating the professions and protecting the public.

The SDC works closely with student bodies at both provincial universities in the respective engineering and geoscience programs. While events were disrupted in 2020, students still found innovated ways to engage in activities during a pandemic in support of advancing their own initiatives.

The SDC also continued to increase its funding effectiveness through stronger alignment with student activities with APEGS' mandates and initiatives.

The Environment and Sustainability Committee monitors and investigates environmental and sustainability issues that have the potential to impact the professions through the way we practise or through the public's expectation of the professions. The committee provides knowledge to members to assist them in adopting practices that resolve these issues.

Like all other committees, activities were impacted by the COVID-19 pandemic. However, they transitioned many of those activities to virtual spaces. The committee continued to raise awareness of environment and sustainability issues through activities like supporting professional development initiatives, participating in related activities and providing content for The Professional Edge publication.

I would like to thank all members of the Education Board, our respective committee members and our staff support for their dedication and efforts to continue to move our organization forward ensuring our continued ability to regulate the professions and protect the public in this challenging year.

Respectfully submitted,

John Desjarlais, P.Eng.
Chair

Professional Development Committee

The Professional Development Committee (PDC) promotes and supports the professional growth and continuing education of all APEGS members. This is accomplished by offering opportunities to obtain professional development credits at the Annual Meeting and at Spring and Fall Professional Development Days to support the annual required reporting of continuing professional development activities.

The committee also works to provide multiple options for members to achieve the annual verifiable ethics component via sessions at the Annual Meeting, Spring or Fall Professional Development Days and the online ethics modules.

Vocalmeet, an online learning system provider, supports our ethics modules that are customized for APEGS. Module 1 on Professionalism and Ethics was released in spring of 2019 and Module 2 on Conflict of Interest was released in spring of 2020. Current enrolment numbers indicate this is an important offering for APEGS members. The committee intends for new modules to be available on an annual basis to members at no cost.

The Spring Professional Development Days were held on March 5-6, 2020 in Yorkton. There were four CTCL (Centre for Technical and Engineering Leadership) courses that included Leading the Way, Communicating in Business, Managing Change and Thinking Ethically. There were also other courses on Risk Management in Project Execution, Powerful Presenter in You and two APEGS information sessions on the Path to Professionalism and Competency-Based Assessment for Geoscientists-in-Training.

Unfortunately, no professional development sessions were offered at the Annual Meeting this year because of the rescheduling and virtual format. Planning is underway for the 2021 Annual Meeting.

The popular Get to the Point! technical writing course was held in September with a unique virtual format, with 90-minute segments on Tuesdays and Thursdays for a three-week period.

Fall Professional Development opportunities were remote and online. The fall sessions were held in November and December 2020. Offerings included CTCL courses, including Understanding Personalities, Management Time, Managing Conflict and Listening Skills. There was also one additional offering on a Culture of Mentorship.

The online offerings appear to be well received by members. They allow participation of members at various locations throughout the province and around the world. This will be a consideration when the pandemic is behind us.

The committee also has been involved with the refresh of the professional development section of the website and the creation of monthly ethics moments for all APEGS Committees, Boards and Council.

On behalf of the committee, I would like to thank APEGS staff for their assistance with meetings, PD Days, management of documents, scheduling and other activities. I also want to thank our committee members for their dedication to our 2020 business.

Respectfully submitted,

Allison R. Hillmer, P.Eng.
Chair

Student Development Committee

The Student Development Committee (SDC) actively encourages and supports professional development opportunities for engineering and geoscience students at the University of Regina and University of Saskatchewan.

Over the past year, the Association generously has allocated \$153,000 to sponsor 64 student-led events, programs and initiatives and \$20,000 to support the operations of the four engineering and geoscience student societies. The full list of sponsored activities can be found on the following page.

The SDC continues to align initiatives with the APEGS Value Proposition, which outlines the Association's purpose, vision, mission, values and goals. In doing so, the committee completed a review of the existing funding application process and updated the orientation manual, application form, evaluation procedures and sponsorship criteria and indicators. The funding application process is structured into seven primary categories:

CATEGORY	DESCRIPTION
Type of event:	Applicant to select from six event-type categories: Design and/or technical, competition, community engagement, formal communication, conference and informal communication.
APEGS Objects:	Applicant to describe how their event aligns with the APEGS Objects.
Student collaboration:	Applicant to describe collaboration between students from engineering and geoscience, other faculties, colleges, departments and different disciplines.
Professional collaboration:	Applicant to describe the involvement of engineers and geoscientists, industry members and APEGS representatives.
Budget quality:	Applicant to provide a detailed budget that lists and describes all budgetary expenses/revenues associated with the event.
APEGS involvement:	Applicant to describe how APEGS will be visible at the event. (i.e., advertisements, verbal acknowledgements, speaking opportunities, et cetera).
Application quality:	Awarded based on the overall quality of the application.

The SDC also created an eighth category to encourage student leaders to host events that support and/or promote women in engineering and geoscience (i.e., 30 by 30) or Indigenous peoples in engineering and geoscience.

In 2020, the SDC had the opportunity to support 12 events that promoted student engagement amongst underrepresented demographics in our profession.

On behalf of the committee, I would like to extend my appreciation to the APEGS membership for their continued support of student development

initiatives. I would also like to express my personal gratitude to members of the committee for sharing their time and talents with the Association.

Our committee remains committed to providing professional development opportunities for students who will one day become members of APEGS and be responsible for exemplifying the principles of professional engineers and geoscientists.

GROUP	SPONSORSHIP AND GRANT FUNDING
U of S Engineering	Sponsorship: \$49,300 Grant: \$11,000
	2020 Formula Michigan, SAE Collegiate Design Series ASABE 1/4-Scale Tractor International Student Design Competition CubeSat Project Critical Design Review Canadian International Rover Competition Canadian National Steel Bridge Competition CFES Congress Chemical Engineering Graduation Banquet CIM Saskatoon Student Chapter Conference on Diversity in Engineering Conference on Sustainability in Engineering GearUP Hand Rehabilitation Device Honour Pin Illumination Conference 2020 Industry field trip SAE Aero Design East Saskatoon Engineering Competition TACET (Total Aural Communication Experience Translator) U of S Civil Engineering Student Society University of Saskatchewan EnvESS Industry Tour University of Saskatchewan Mining Games USST 15 Year Reunion WESST Annual General Meeting and Retreat WESST Executives' Meeting (EM)Western Engineering Competition Women's Mentorship Luncheon
U of R Engineering	Sponsorship: \$37,500 Grant: \$6,500
	Auto CAD Training Session 1 Auto CAD Training Session 2 Industry Networking Event Energy Modeling Training and Civil 3D ASHRAE Winter Conference

Kindergarten - Grade 12 Committee

Resume Writing and Review
Women In Engineering Night
Building Tours
Baja SAE International Competition
SaskPower Boundary Dam Field Trip
IEEE Mock Interviews
Closed Loop Hydronic System Laboratory Apparatus
Great Northern Concrete Toboggan Race 2020
UBC Expandable Airlock Design Competition
WESST Annual General Meeting and Retreat 2020
EEE 2020 Retreat
UofR Utility Robot
CSCE Career Night
UR Regina CSCE Popsicle Stick Bridge Competition
National Engineering Week
Western Engineering Competition
Western Engineering Student Societies Team Executive Meeting

U of S Geoscience

Sponsorship: \$32,900 | Grant: \$1,250

The World Mining Competition
Prospectors & Developers Association of Canada
Western Inter-University Geosciences Conference (WIUGC) 2020
Geoconvention 2020
AME Roundup 2020
Year End Banquet 2020
3rd National Gathering of .calSES

U of R Geoscience

Sponsorship: \$18,900 | Grant: \$1,250

Western Inter-University Geoscience Conference
Prospectors and Developers Association of Canada (PDAC) Conference
AME Roundup
3rd National Gathering of .calSES
Student Industry Geoscience Roundtable
Earth Ring Ceremony
DM Kent Club of Geology Meet and Greet
Petroleum Workshop
World Mining Competition

Respectfully submitted,
Brad Lulik, Engineer-in-Training
Chair

The Kindergarten - Grade 12 Committee was established to promote and encourage science, technology, engineering and mathematics (STEM) education to students from Kindergarten to Grade 12, their caregivers and educators.

The K-12 Committee has funded career fairs, science fairs and other STEM activities designed to engage and inspire students in an interactive way. While this was the plan going into 2020, the world responded to the pandemic and plans changed.

While many activities were postponed or cancelled altogether, we saw numerous organizations adapt their normal activities within the pandemic guidelines further into the year. The Committee commends the ingenuity and commitment of organizations who, where possible, delivered learning opportunities for students, caregivers and teachers online or in other formats that supported the current circumstances.

In addition to focusing our operational items, the K-12 Committee pared down its Initiatives and Actions in 2020 to four key areas: 1) Webpage maintenance for up-to-date outreach information, 2) Funding evaluation improvement, 3) Support for APGES 'Geoscience 2020 Focus,' 4) Awareness of K-12 activities amongst APEGS members.

Funding and sponsorship requests are now evaluated twice per year - once in the spring and again in the fall. This scheduling was designed with the school year in mind and provides a structure that is efficient while encouraging fairness.

In 2020, the K-12 Committee funded STEM programs led by the following organizations: Safe Drinking Water Foundation, Saskatchewan Geological Society, SCI-FI (University of Saskatchewan), EYES (University of Regina) and Regina Geotechnical Group. It also funded licensing for the engineering-themed movie "Dream Big", allowing video streaming of the film in all Saskatchewan schools.

Although there were limited opportunities for APEGS member volunteers in 2020, the Committee has greatly appreciated reliable volunteer support when it is requested. Your time is valuable and makes a great impact in our outreach endeavours.

If you wish to volunteer for upcoming events, select 'outreach activities' in the volunteer section of your APEGS Central profile.

On behalf of the Committee, I would like to sincerely thank our past Committee chair, APEGS staff liaison, past and present liaison councilors, other APEGS boards and committees and our volunteers for their support.

Respectfully submitted,

Jodi Derkach, P.Geo.
Chair

The Environment and Sustainability Committee helps facilitate professional development (PD) opportunities by raising awareness of environmental and sustainability issues, promotes such considerations in APEGS' and member actions and provides resources to respond to inquiries from Engineers Canada, Geoscientists Canada or other associations on related matters.

The committee keeps abreast on current issues to determine where it can provide leadership to the APEGS membership on safeguarding the public interest regarding the environment and sustainability. Committee members work in diverse industries across Saskatchewan, which provides a broad range of expertise.

In 2020, the committee liaised with the Professional Development Committee and Annual Meeting Planning Committee on related PD sessions for the spring and fall PD days and annual general meeting. The year saw many transitions and challenges, with the impact of the COVID-19 pandemic resulting in many supported events being held virtually, with the 2020 Build SASK Green event cancelled and held in concert with the national Building Lasting Change 2020 virtual event presented by the Canada Green Building Council.

The committee also supported and attended the RCE Saskatchewan Sustainability Recognition Awards, which was held virtually at the First Nations University of Canada. Other efforts focused on supporting The Professional Edge Committee with select articles.

I would like to thank all current and past committee members and APEGS staff for their dedication and efforts in 2020 to help raise awareness of environment and sustainability issues and the activities of fellow engineers and geoscientists in meeting future sustainability challenges.

Respectfully submitted,

Darcy Hirsekorn, P.Geo.
Chair

The Senate of the University of Saskatchewan is part of its tricameral governance structure, in which the senate (public issues), the university council (academic issues) and the board of governors (financial issues) provide oversight and guidance to the university administration.

The Senate is made up of 114 elected and appointed members and meets twice annually (April and October). Elected members are chosen by alumni, both regionally and at large. Appointed members, such as your APEGS representative, are chosen by their organization or nominated by government or the university and approved by the senate.

There are six committees of the Senate. The chancellor of the university is the chair. Committees include executive, membership, nominations, education, honorary degrees and the roundtable on outreach and engagement.

The current chancellor, Grit McCreath, is the chair of the Senate. She was appointed in 2019 and is a USask graduate with more than 32 years experience as an educator.

Highlights of interest from Senate and university activities from the past year include:

- Providing university education during a pandemic has required considerable effort to offer virtual classes that can afford the same learning and skill development as found in traditional classes. In the fall, the College of Engineering received permission from the provost to offer seven classes with face-to-face components.

“These courses were chosen based on the importance of the physical experience to the learning objectives of the course, the need for access to specialized facilities and in some cases, the integrative nature of the lab experience. At the same time, we have to ensure that the safety of our students and staff remain paramount. I want to assure all of our students that we appreciate the value of the face-to-face learning environment and look forward to the time when we can safely return to campus,” says Dean Suzanne Kresta, P.Eng., FEC.
- Enrolment in the College of Engineering lost some ground in the past two years. The Fall 2020 enrolment saw 1,625 undergraduates and 406 graduates.
- The University of Saskatchewan College of Engineering is seeking to create the most effective first-year engineering program in Canada. Dubbed “RE-ENGINEERED,” it will welcome its first students in fall 2021. When that happens, it will mark the end of a process that began in 2016.

A promising redesign of the first-year engineering program is developing. During a web seminar held in November, it was revealed that several students took part in a pilot project starting the fall 2020 semester where several of the concepts and courses were tested. During that seminar, the educators and students professed great satisfaction with the new learning style.

- USask Engineering professor Xiaodong Liang, P.Eng, was appointed Canada Research Chair in Technology Solutions for Energy Security in Remote, North and Indigenous Communities. It is the first of its kind in Canada. The research program is aimed at developing a new system of isolated microgrids, powered by renewable energy such as wind and solar.

About 200,000 Canadians in 280 remote communities, along with many others in northern global areas, rely on off-grid power for electricity and heating, produced primarily by diesel generation. This is costly and fraught with environmental impacts such as greenhouse gases and diesel spills.

With built-in energy storage capacity and advanced monitoring, control and protection techniques, these microgrids will improve reliability and resiliency of power supply in remote communities.

Liang's research program includes establishing methods for remotely monitoring the operation of microgrids and detecting problems, enabling the system to self-repair when a fault occurs and integrating advanced control techniques to manage power and regulate voltage and electrical flow in response to abrupt surges of power or sudden drops in load demand.

- Total enrolment at the university is up two per cent to 22,911. Indigenous students make up 13 per cent and international students 14 per cent of that number.
- The fall 2020 Senate meeting saw several university initiatives continue toward full implementation. At the meeting, we were informed about the Indigenous Engagement Strategy, the Sustainability Strategy and a new Equity, Diversity and Inclusion Policy.

Respectfully submitted,

Andrew Loken, P.Eng., FEC, FGC (Hon.)
APEGGS Representative

The University of Regina Senate is comprised of approximately 100 members, including university officials, government officials, heads of federated and affiliated colleges, deans, 14 representatives of graduates from 11 electoral districts, six student representatives and representatives from approximately 40 professional/occupational organizations like APEGGS.

Because of its broad public representation, the Senate has been described both as the university's window on the world and the world's window on the university. Its functions have to do with the academic welfare of the institution. Most of the broader issues of academic policy within the university are reserved for its approval.

In another role, it acts as an ultimate court in academic affairs. The Senate receives recommendations from the U of R Council on those areas for which Senate decisions are required.

Dr. Vianne Timmons resigned as President of the University of Regina to become President of Memorial University of Newfoundland, effective April 1, 2020. Dr. Thomas Chase will serve as U of R Interim President and Vice-Chancellor from April 1, 2020 until June 30, 2021. During that time, a comprehensive search is taking place for the next full-term President of the university.

COVID-19 has posed unprecedented challenges, but the university community has proven to be adaptable and has risen to the occasion.

U of R changed to teaching and learning at a distance during Winter 2020. Spring/Summer 2020 and Fall 2020 were successfully conducted in the same manner and in accordance with public health guidelines. Making the rapid transition to learning at a distance was a tremendous university-wide effort.

U of R is developing a long-term approach to the eventual re-introduction of in-person teaching and learning as the pandemic abates and public health restrictions on the size of public gatherings are relaxed. This approach takes into account the possible hosting of some critical and low-density in-person courses, labs and studios should the provincial pandemic situation and public health directives allow.

Approximately 600 students participated in a total of 77 low-density (14-person or less) in-person labs and studios in Fall 2020. These in-person components were held across seven buildings on the main campus, over seven days a week and with no more than 60 students scheduled to be on campus at any given time.

Recognizing the challenges that many students and their families are facing, U of R balanced its 2020-21 budget without raising tuition.

University Advancement and Communications, Financial Services, the Faculty of Graduate Studies and Research and Student Awards and Financial Aid together promoted and administered the Student Emergency Fund initiative. Approximately \$350,000 was disbursed to almost 350 students in need.

To help ensure academic integrity in light of the increased number of exams being held remotely and at some Faculties' request, Proctortrack software was implemented to help invigilate mid-term and final exams in more than 100 courses.

The university's enrolment continues to be strong during the pandemic. This is an indication both of the quality of teaching provided and of students' commitment to their studies in challenging circumstances.

Fall 2020 enrolment was consistent with Fall 2019 and numbers are slightly up for Winter 2021 compared to the same time last year. The number of new international student enrolments has substantially declined because of travel restrictions.

The 47th annual Fall Convocation would have been held in person on October 16, 2020. This Fall, 739 degrees, diplomas and certificates were conferred on 714 graduates.

Approximately 200 in-person course components have been approved – most on the main campus, with several taught at the regional colleges. Approximately 1,500 students (less than 10 per cent of the student population) are taking in-person courses at the university in Winter 2021 under strict health and safety protocols. The bulk of teaching and learning continues to take place remotely.

The university had pandemic-related budget shortfall for the year of approximately \$13.5 million, mainly in the ancillary areas. The shortfall consisted of \$8 million in parking and residence revenue, \$3 million in fees that were not being charged to students and \$2.5 million in revenue in the Conservatory and English as a Second Language programs.

The Board of Governors endorsed a plan developed by the senior leadership team to address the shortfall through carry-forward held in the faculties and administrative units and the re-introduction of some fees that had been suspended early in the pandemic.

There is no plan for layoffs, as it is important for the university to have an intact and engaged complement as we emerge from the pandemic.

During the pandemic, it is important that the university implement key aspects of the 2020-2025 Strategic Plan, *kahkiyaw kiwâhkômâkaninawak – All Our Relations*.

During a town hall on October 8, members of the university provided perspectives on how aspects of the strategic plan might be foregrounded and which might be de-emphasized as the university works through the pandemic. Mental health, sustainability, institutional identity and student retention were identified as key aspects on which to focus in the coming months.

Respectfully submitted,

Rick Kullman, P.Eng., FEC, FGC (Hon.)
APEGS Representative

Engineers Canada is the national organization of the 12 provincial and territorial associations that regulate the practice of engineering in Canada and license the country's 300,000 members of the engineering profession.

Engineering is a self-regulated profession. Engineers Canada exists to support APEGS and the other provincial and territorial regulatory bodies and to advance the profession in the public interest.

The second year of 2019-2021 Strategic Plan for Engineers Canada was completed in 2020. The Strategic Plan is a 100-per-cent plan for a three-year period ending in 2021. The plan consists of strategic priorities, operational imperatives, internal enablers and board responsibilities.

Many of the strategies to be completed within the Strategic Plan were completed and accepted by the Board in 2020.

Four of the strategic priorities outlined in the current Strategic Plan include:

- SP1: Accreditation Improvement Project,
- SP2: Accountability in Accreditation,
- SP3: Recruitment, retention and professional development of women in the profession,
- SP4: Competency Based Assessment Project.

Good progress was noted on these strategic priorities in 2020. However, COVID-19 impacted the progress towards achieving objectives targeted for 2020. It is anticipated that all work outlined in the 2019-2021 Strategic Plan will be accomplished by the end of 2021.

A copy of the Strategic Plan can be found on the Engineers Canada website.

Planning continued during 2020 for the next three-year Strategic Plan spanning 2022-2025. Regulators across the country were consulted and contributed to the plan which is anticipated to be approved by the members at the Annual Meeting in May 2021.

COVID-19 affected the way the organization conducted much of its business in 2020. Starting in March, most of the staff started to work remotely and meetings of the Board and committees changed to virtual meetings, including the May Annual Meeting and Meeting of Members.

Throughout the remainder of the year, the staff, Board, CEAB and CEQB remained committed and effective in undertaking their business on behalf of the regulators and profession.

The CEAB had to significantly change its operation to support Engineering Deans Canada in the modification of the delivery of engineering education across the country. Most accreditation visits were postponed for one year to permit the engineering institutions to accommodate their increased workload to change their education delivery model.

The Board of Engineers Canada, in response to a request of the members, proposed a plan to reduce the size of the Board of Directors, as well as an implementation plan. At the meeting of members, the plan was received, but the decision to reduce the size of the Board was not agreed to and was deferred. The size of The Board will remain at its current size until the decision is once again reviewed by the members or a subsequent decision is made.

Subsequent to the deliberations of the Funding Task Force and the Finance, Audit and Risk Committee (FAR), the Board agreed to a process to review and recommend changes to the annual per capita contributions from regulators to Engineers Canada based upon an annual review of the current reserves, anticipated revenue and expenditures by the FAR Committee.

These per-capita adjustments recommended to the Board and subsequently to the meeting of members could include either increases or decreases based upon the magnitude of projected affinity revenues and/or budgetary needs.

On December 7, 2020, the budget for 2021 was reviewed and the following motions were carried:

- That the 2021 operational budget of \$11 million in revenue and \$12.3 million in expenses be approved.
- * That the 2021 capital budget of \$59,500 be approved.
- The CEO be directed to use \$1,251,718 from reserve funds on the following significant projects: Accreditation Improvement Project, Space Program (IT infrastructure), International Institutions and Degrees Database Improvement Project, Competency-Based Assessment Project and the National Membership Database Improvement Project.

Engineers Canada is funded in part by a \$10.21 per-member assessment provided by the regulators across Canada, which held steady in 2021.

The Canadian Engineering Accreditation Board (CEAB), a standing committee of the Engineers Canada Board, is the only body that accredits Canadian undergraduate engineering programs that meet the profession's high education standards. Graduates of those programs are deemed by the profession to have the required academic qualifications to be licensed as professional engineers in Canada.

The CEAB offers advice to universities developing new engineering programs to help those programs meet accreditation criteria. The CEAB also assesses the equivalency of the accreditation systems used in other nations relative to the Canadian system and monitors the accreditation systems employed by the engineering bodies which have entered into mutual recognition agreements with Engineers Canada.

The Canadian Engineering Qualifications Board (CEQB) develops national guidelines on the qualifications, standards of practice, ethics and professional conduct expected of professional engineers. The CEQB is also responsible for the Engineers Canada Examination Syllabus and the Engineers Canada International Institutions and Degrees Database.

The associations use the syllabus and database as guides to develop appropriate suites of technical engineering examinations for international engineering graduates seeking licensure in Canada in order to ensure those individuals meet the standards for admission into the Canadian engineering profession. The work of the CEQB remains well aligned with the Ends policies of Engineers Canada.

The Engineers Canada website (www.engineerscanada.ca) is mobile-friendly and has been designed to make it easy to find information.

On the home page, users can subscribe to the weekly Engineers Canada Newsletter. On the Media page, users can sign up to receive engineering-related news in a daily media report.

To learn more about what Engineers Canada is doing, follow on Twitter, LinkedIn or Facebook.

My participation in Engineers Canada has been interesting and memorable. During 2020, I have been an active member of the Human Resource Committee to May 2020 and then Chair of the FAR, which will conclude in May 2021.

I would like to thank APEGS volunteers Ian Sloman and Margaret Anne Hodges who are on the Board of the CEQB and Tara Zrymiak, P.Eng., FEC and Suzanne Kresta's title so it's a P.Eng, FEC., who are on the Board of the CEAB for their diligence and significant efforts in support of Engineers Canada and the profession of engineering.

I would also like to thank all APEGS staff and Council for their support of me and of Engineers Canada during the past year and during my six-year term on the Board which concludes in May 2021. It has been a privilege and an honour to serve as APEGS-appointed Director.

Respectfully submitted,

Dwayne Gelowitz, P.Eng., FEC, FGC (Hon.)
Director

Geoscientists Canada Director's Report

Geoscientists Canada (geoscientistscanada.ca) is a national organization whose purpose is to engage with and facilitate co-operation among its members, who are the self-governing professional associations (constituent associations - CAs) that regulate the profession of geoscience in each of the jurisdictions in Canada. Quebec is presently not a member.

Geoscientists Canada co-ordinates development of high national standards of admissions, competency, practice and mobility to ensure that Canada and public interests are served by a skilled, reputable and accountable geoscience profession.

Geoscientists Canada represents the CAs nationally and internationally. In Saskatchewan, practising geoscientists are required to register with APEGS. The designation P.Geo. can only be used by geoscientists who are licensed members in good standing.

Elections and Awards

The Annual General Meeting, originally to be held in Halifax, was an online meeting on June 5, 2020. Michael Parkhill, Director from New Brunswick, was elected President, taking over from Jeff Parks (Nova Scotia). Kevin Ansdell, P.Geo., FGC, FEC (Hon.), was elected as the President-Elect and Yuri Kinakin (Northwest Territories and Nunavut) was reappointed as Treasurer on the Executive Committee. One new Director was appointed during the year: Christine Vaillancourt (Ontario).

The Canadian Professional Geoscientist Award winner for 2020 was Hendrik Falck, P. Geo., FGC, FEC (Hon.), nominated by NAPEG. The award was "in recognition of his impressive body of work, both technical and regulatory, for professional geoscience in Canada."

APEGS nominated Terrance Fonstad, P.Eng., FGC (Hon.) FEC for Honorary Fellow of Geoscientists Canada for assuming office as president of one the CAs of Geoscientists Canada. This nomination was approved.

COVID-19 and Budget

The organization has been fortunate in that many of the activities of staff (CEO Andrea Waldie and Executive Assistant Rakesh Kumar) are routinely performed in a virtual setting. The effects of the pandemic on day-to-day operations in 2020 was minimal. Board of Directors meetings were also changed and made use of an online platform, with the only face-to-face meeting being the first one of the year in Toronto (January 2020).

The change in meeting format significantly affected the budget for 2020. The approved 2020 budget included a deficit of \$62,053, but at the end of the year there was an unaudited surplus of \$92,000. A break-even budget has been approved for 2021.

In addition, the reserves of Geoscientists Canada has been restructured with the development of a Contingency Reserve Fund (50 per cent of average of expenses, plus cost of staff severance, to allow for responsible closure of the organization over a six-month period) and a Strategic Initiatives Fund (variable amount, with budget items directly related to strategic projects). Access to these funds requires the approval of the Board of Directors.

The Work Plan for 2020 focused on new initiatives identified by the CAs during the renewal of the Implementation Plan in 2019 and continue to be divided into activity that is solutions focused (directed at consistency of admissions) and awareness/advocacy focused (directed at improving awareness of the importance of the profession and its requirements).

Solutions Focused

The Canadian Geoscience Standards Council (CGSC) is a standing committee of Geoscientists Canada (Janis Dale, P.Geo., is the Saskatchewan representative and now Vice-Chair) and provides guidance to the CAs on matters relating to academic and practice requirements for professional registration.

An objective is to encourage the adoption of common standards for geoscience registration to facilitate the transfer of members of the CAs from one jurisdiction to another in Canada. The primary work of CGSC in 2020 was the successful completion of the Economic and Social Development Canada (ESDC)-funded (\$589,000), Admission Support Tools (AST) project – Phase II, which started in 2018.

It was designed to develop tools to support CAs in their registration of Geoscientists via two projects: A) establish a more flexible, transparent and streamlined method of assessing professional experience through the development of Competency Indicators (Work Experience Competencies project) and B) develop an online assessment tool (Pre-Arrivals Tool project) is largely to aid internationally-trained geoscientists in navigating the assessment process for registration as a Professional Geoscientist in Canada, but will also be a useful tool for Canadian geoscientists.

The Work Experience Competencies project included the development of 29 competencies, deemed important to have been met via work experience, a scoring rubric to assess the level that they are met for Entry to Practice and an

online platform, with associated guidance documents for applicants, validators and assessors in collaboration with EGBC.

The competencies fall within four categories: Scientific Method, Geoscience Practice, Professionalism and Complementary, the latter being related to communication and project management. The online portal for Competency-Based Assessment of Geoscience Experience launched in 2020 (<https://competencyassessment.ca/>), with funds provided by the reallocation of the remaining AST-II project funds and a number of CAs, including APEGS. The members of APEGS approved its use to take effect on January 1, 2021.

As part of the Pre-Arrivals Tool project, the Geoscience in Canada website was designed to inform internationally and domestically trained geoscientists about practising geoscience and professional geoscience licensure requirements in Canada.

It is available in French, German, Chinese, Farsi and Hindi and can be accessed at www.geoscienceincanada.ca. The formal launch in March 2020, was associated with a press release and notices to all CAs, geoscience organizations in Canada and abroad and Canadian universities.

The mandate of the Professional Practice Committee is “to review, consider and provide opinion on matters of geoscience professional practice and to review, document and develop geoscience professional practice guidelines for potential use by CAs, practitioners and other stakeholders.”

The Geoscience Practice Guidelines Catalogue has been completed and is available as a searchable catalogue at: <https://geoscientistscanada.ca/resources/geoscience-practice-guidelines-catalogue/>.

Most of the documents in the catalogue link directly to the source material, which in most cases is the provincial or territorial regulator. This resource is designed to support both the professional geoscience practitioner and the Canadian geoscience regulators.

The committee has also prepared a national Geoscience Practice Ethics Statement, which consists of 21 tenets and is developing a guidance document.

Awareness/Advocacy Focused

Geoscientists Canada, with the support of the Canadian Federation of Earth Sciences, prepared a booklet “Geoscience and Canada. Understanding our Earth: The vital role of Canada’s geoscientists” which provides insight into the

role geoscience plays in society, including the economy, energy, minerals, water, engineering, environment, geohazards and climate, using Canadian examples.

It was designed to be accessible to decision-makers at all levels and was initially released in 2018. The booklet has been reprinted a number of times and can be accessed online at: <https://geoscientistscanada.ca/resources/publications/>.

The Qualified Persons (“Your Career and Public Reporting”) short course, developed by the Securities Committee in 2016, in conjunction with the Cas and provincial securities commissions, is a one-day course that outlines the definition of a QP, based partly on the requirements of NI 43-101 and NI 51-101.

This course is undergoing revision to be more student friendly. A complementary course is being developed, which could be used as an educational refresher for early career geoscientists and experienced practitioners.

Representatives of Geoscientists Canada are involved with international associations to provide advice on professional practice in Canada and to keep abreast of activity that may be relevant to the CAs. All involve minimal time and cost.

These include: A) the American Institute of Professional Geologists (AIPG) and the National Association of State Boards of Geology (ASBOG) in the United States; B) the European Federation of Geoscientists (EFG) to share general information and best practices; C) Global Geoscience Professionalism Group (GGPG); D) United Nations Economic Commission for Europe (UNECE), which actually includes North America, is developing a MOU with Geoscientists Canada to assist in promoting the United Nations Framework Classification (UNFC) for Resources as a tool for sustainable management of energy and mineral resources and a means to attain United Nations Sustainable Development Goals.

In addition, the Australian Institute of Geoscientists (AIG), are interested in the process followed by Geoscientists Canada, they move forward in trying to develop their own geoscience knowledge and experience requirements and competencies for entry to practice.

2021 – Geoscientists Canada 25th Anniversary

Stay tuned for news releases and social media posts in the upcoming year!

Respectfully submitted,

Kevin M. Ansdell, P.Geo., FGC, FEC (Hon.)
Director and President-Elect, Geoscientists Canada

I am pleased to present the activities and achievements of the College of Engineering over the past year to the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

The past year provided substantial challenges in the context of fully remote operations, but we found solutions and learned along the way. I'm pleased to report that our efforts have paid off: Enrollments held steady, students remained engaged and learning outcomes as measured by final grades increased slightly.

As a college, we remain an integral part of the community we serve. This year, the College of Engineering mobilized equipment, expertise, technical staff and co-op students to collaborate with RMD Engineering on an incredible project that resulted in the approval and production of 100 made-in-Saskatchewan ventilators, now available for Covid-19 response in our province. This project and the past year provide testament that knowledge remains one of our most important and powerful currencies in any situation.

The College of Engineering is committed to ensuring that students can continue their undergraduate, graduate and professional education and have an exceptional post-secondary experience throughout the pandemic.

One way to enhance the student experience in the College is through the use of the University of Saskatchewan Engineering Students Fund. Our college's students made history last year when they voted via referendum to fund their own endowment fund. The fund is first of its kind on our campus and will be administered by a council of student leaders in our College.

Inside this year's Annual Report, you will learn about the incredible people, our students, faculty, staff and alumni who make College of Engineering such an impactful institution that is making a difference every day.

Teaching and Learning

Our winter semester started out like any other, but in a matter of days, and at one of the busiest times of the year – mid March – the College of Engineering transformed from business as usual to remote operation. Much like other colleges and units across campus, our day-to-day operations have been significantly disrupted as a result of COVID-19. Students finished labs online and wrote exams from home, instructors adapted to online teaching and learning, and college staff converted to remote operations.

Our students have continued their education in eight fully accredited undergraduate programs, seven graduate programs, and two professional

certificates. When University of Saskatchewan (USask) first announced classes were moving online, 90 percent of the faculty in the College were new to remote teaching. With support from the University and the College's own Innovative Teaching and Research in Engineering Education Group (inTREEg), faculty made the transition. Through the year, students saw a variety of solutions from their professors, but the emphasis was always on meaningful student engagement. Instructors developed and created lectures, used discussion forums, tutorials, and virtual office hours to provide students with an experience that is a legitimate, interactive course.

Delivering a full complement of programming remotely required constant communication. Undergraduate student town halls, departmental sessions, and regular meetings with the leaders of student groups were all well attended. During these meeting with the College leadership and faculty, our students had the opportunity to ask questions, provide feedback on their experiences with online teaching and learning, their exams, and lab delivery. Our students adapted to the circumstances remarkably well and succeeded in this new environment.

College and program enrolment

Undergraduate enrolment

College enrolment in 2019/2020 remained on par to enrolment numbers provided in previous reports. The 2019/20 undergraduate enrolment was 1,672 students (Table A).

We continue to have very diverse undergraduate student body. Our international students accounted for 20.3 per cent of the undergraduate students enrolled, and are coming from almost 50 countries. Our self-declared indigenous (5.7 per cent) and female (19.7 per cent) undergraduate student populations both increased from last year (4.8 per cent and 19 per cent respectively).

In 2019/2020 there were 466 undeclared students in the college, mostly in first year, while others were enrolled in one of eight undergraduate programs (Table B).

Mechanical and civil engineering continue to be our most sought-after programs with 320 and 265 students respectively. Demand for all programs remains steady, with 171 students in chemical, 170 in electrical, 70 in engineering physics, 47 in environmental, and 49 in geological engineering. Our computer engineering program had a noticeable growth of 45 per cent in the past year and is now 112 students strong.

University of Saskatchewan College of Engineering continued

Table A: College Enrolment (By Level)

Reporting Level	Reporting Year				
	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Undergraduate	1,768	1,725	1,672	1,706	1,672
Grad Studies	431	485	504	529	509
Grand Total	2,199	2,210	2,176	2,235	2,181

Source: University of Saskatchewan Data Warehouse

Table B: Undergraduate Headcount (By Major)

Reporting Year						
REPORTING LEVEL	MAJOR	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
UNDERGRADUATE	CHEMICAL	278	250	200	182	171
Civil Eng.	253	278	271	264	265	
Computer Eng.	73	67	79	77	112	
Electrical Eng.	117	152	153	174	170	
Engineering Physics	53	62	70	68	70	
Environmental Eng.	63	59	53	55	47	
Geological Eng.	93	97	71	53	49	
Mechanical Eng.	299	323	321	313	320	
Undeclared	538	436	454	518	466	
Undergraduate Total	1,767	1,724	1,672	1,704	1,670	
Grand Total	1,767	1,724	1,672	1,704	1,670	

Source: University of Saskatchewan Data Warehouse

Undergraduate Recruiting

Over the past year we have expanded our recruitment efforts and team, and welcomed an engineering-dedicated recruitment officer, Kaitlyn Dilsner. Although in-person events were not possible, a number of outreach initiatives and student recruitment events have been co-ordinated online and in many cases the attendance was doubled over that seen last year. Events such as What is Engineering? and Parent Information Night, for our prospective students, their parents, counsellors, advisers, and others interested in Engineering are now fresh and dynamic.

The College recruitment team prepared new promotional material, from engaging and informative videos on a dedicated YouTube channel to our new USask Engineering Viewbook, available on our website and through social media. The material demonstrates our work to provide an exceptional undergraduate experience in and out of the classroom, and highlights some of recent program achievements:

- We have moved forward with the new co-op program, which includes seeking internships for our students and offering the co-op preparation course prior to the placement. Our co-op program team, which now includes second co-op program co-ordinator, is seeing increased job opportunities despite the general trend seen at other co-op programs across the country. All but two of our co-op placements arranged for last summer were honored by our employers.
- The College's Indigenous Peoples Initiatives Community (IPIC) welcomed a new Indigenous Student Initiates Co-ordinator to steer the work on the indigenization of the College and curriculum. The focus of this new role is squarely on support and expansion of the Engineering Access Program. This program provides a community for Indigenous students during every stage of their journey toward completing their engineering degrees, from the introduction of academic pathways, university transition, to academic coaching, co-op placements, and targeted financial support.
- Our incoming first year students can expect a completely different experience in 2021: a consistent schedule, just-in-time learning, modular courses and classes which can immediately be transferred to engineering practice. While engineering students typically have five or six courses that run the length of the semester, our new first-year classes will vary in length and intensity, with material sequenced so that when students gain knowledge in one course they can immediately apply it in another. A targeted and modernized selection of material will be covered, making students more employable even after their first year of studies. In addition, first-year engineering courses will employ competency-based assessment practices to better ensure that key knowledge and skills are mastered. This fall, 60 per cent of our students voluntarily completed the summer top-ups to ensure that they were fully prepared to start their fall courses, and showed increased academic success and engagement with piloted courses using competency based assessment.

Graduate Student Enrolment

The College has 509 graduate students in seven different fields of study in 2019/20 (Table C). The Master of Science program continued being our most attractive postgraduate degree with 237 students. We also had 195 doctoral students, 43 postgraduates in the Master of Engineering programs, and 31 students completing the postgraduate diploma.

Table C: Graduate Headcount (By Major)

Reporting Year						
Reporting Level	Major	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Graduate Studies	Biological Eng.	16	19	22	29	29
	Biomedical Eng.	57	56	52	56	57
	Chemical Eng.	45	52	61	69	76
	Civil Eng.	88	98	110	116	119
	Electrical Eng.	105	111	107	109	104
	Enviro Eng.	6	5	3	2	1
	Mech. Eng.	110	141	147	147	123
	Grad Studies Total	427	482	502	528	509
	Grand Total	427	482	502	528	509

Source: University of Saskatchewan Data Warehouse

International students made just more than 80 per cent of graduate student body, while the percentage of female (22.8 per cent) and self-declared indigenous (0.6 per cent) graduate students continue to be well below parity with the general population.

Faculty Accomplishments

We are proud to have welcomed Dr. Bishnu Acharya, P.Eng., as Associate Professor and Research Chair of Saskatchewan Ministry of Agriculture in Bioprocess Engineering to our Chemical and Biological Engineering department.

Our dedicated faculty continued receiving recognitions and rewards in the past year. We would like to highlight the following faculty accomplishments in the 2019-2020 year:

- Ajay Dalai, PhD, P.Eng - has been recognized with the Miroslaw Romanowski Medal by the Royal Society of Canada. This medal is awarded for significant contributions to the resolution of scientific aspects of environmental problems or for important improvements to the quality of an ecosystem brought about by scientific means.
- Prof. Dalai has also been awarded the DRC Lifetime Achievement Award from the Indian Institute of Chemical Engineers for 2019 and the RS Jane Lectureship from the Canadian Society for Chemical Engineering.
- Chi-Yung (Tony) Chung, B.Eng.Hons., Ph.D., P.Eng., FIEEE, FIET - was named a Fellow of the Engineering Institute of Canada.
- Joel Frey, B.Sc., B.E., Ph.D., P.Eng. - was recognized as the Saskatoon Engineering Society Educator of the Year.
- Xiaodong Liang, B.Eng., M.Eng., M.Sc., Ph.D., P.Eng. - is the first Canada Research Chair (Tier 2) in Technology Solutions for Energy Security in Remote, North and Indigenous Communities.

Research and Applied Expertise

Research in the College of Engineering, like all college operations, was impacted significantly this year by the COVID-19 pandemic. Although it has been challenging, it has also inspired ingenuity and creativity that has had very positive impacts in the province and beyond.

In early spring, as first indications of the true magnitude of the pandemic first emerged, the college took very proactive steps to, first and foremost, ensure the safety of our students, staff and faculty, but also to mitigate, as much as we could, the disruptions to our operations, including our research.

As much as possible, faculty were encouraged to pivot their research to enable students to continue their advanced studies remotely. Faculty were also able to take advantage of emergency funding opportunities offered by federal agencies such as the Natural Sciences and Engineering Research Council (NSERC) and Mitacs to maintain a high standard of research training.

Adopting best practices for pathogen control from the agriculture industry, the college was able to very quickly develop a monitoring and zoning plan that enabled many researchers to get back into the building and get their labs running again relatively quickly.

While most faculty and staff continue to work exclusively from home or remotely, students and staff essential to the college's research mission have been able to safely return to work in the building.

In addition to ensuring the research mission of the college continues, many opportunities to contribute to understanding the virus and its spread and to develop solutions to help treat and contain it, were presented and the college rose to the occasion through innovative research and development, often with our partners in industry.

For example, early in the pandemic, Dr. Sean Maw, P.Eng., Jerry G. Huff, Chair in Innovative Teaching, teamed up with Great Little Box Company of Richmond, B.C., to develop a simple, inexpensive design to build emergency-use beds from corrugated cardboard.

The simple bed design offers a quick, easy-to-assemble option to hospitals and health authorities to set up temporary beds during an emergency.

The college is also proud to have contributed equipment, students, personnel and knowledge to help RMD Engineering Inc. develop their emergency use ventilator (EUV-SK1) recently approved for use by Health Canada – a monumental undertaking for the company that resulted in the timely introduction of a made-in-Saskatchewan solution to high demand for ventilators during this and future pandemic emergencies. It's an engineering achievement the whole province can be proud of.

Dr. Kerry McPhedran, a Saskatchewan Centennial Enhancement Chair who holds a M.Sc. in biology and undergraduate and Ph.D. degrees in engineering, partnered with Dr. Markus Brinkman in the School of Environment and Sustainability and Dr. John Giesy in the Western College of Veterinary Medicine, to detect and quantify COVID-19 RNA in the City of Saskatoon wastewater stream.

Using this technique, this team was able to predict increases and decreases in COVID-19 cases within the Saskatoon population allowing health-care officials early warnings regarding resource allocations. This research can be extended to include COVID-19 variants, detection of other viruses, narcotics and potentially other items of interest within municipal wastewater streams that could provide early warnings for the health-care system.

Additional funding has recently been announced to extend this work in partnership with Indigenous communities.

Meanwhile, to help disseminate information about the science of COVID-19, Dr. Daniel Chen, P.Eng., with funding from Saskatchewan Health Research

Foundation, led a team of students, biomedical experts and graphic artists to develop a COVID-19 comic book that, with the help and financial support of the College of Engineering's Sci-Fi Summer Camps program, is being used around the province as a resource to help kids understand the science of COVID-19 and how to keep themselves safe.

Several of our faculty members received rapid response NSERC COVID-19 Alliance Grants with industry partners to tackle various innovations needed to respond to the pandemic:

- Dr. Sven Achenbach, P.Eng., obtained funding for "High Resolution Zone Plates Fabricated by Soft X-ray Lithography for Tomographic Soft X-ray Analysis Applied in the Designing and Screening of Potential COVID-19 Drugs".
- Dr. Chris Zhang, P. Eng., obtained funding for "A Novel Approach to Integrate Heterogeneous Healthcare Information for COVID-19 Pandemic Emergency Management".
- Dr. Jafar Sotan, P. Eng., obtained funding for "Development of an air sanitization unit to inactivate pathogens (e.g. COVID-19 virus) using catalytic reaction with ozone".
- Dr. Carey Simonson, P.Eng., obtained funding for "Study of pathogen transfer through membranes for energy exchangers to reduce airborne transmission of COVID-19 in buildings".

We expect many other innovations and long-term solutions to help better prepare and manage pandemics are still to come from our creative and innovative students, faculty and staff.

In addition to responding to COVID-19 and maintaining our research mission as a college, we have also continued to advance our strategic research areas that include Engineering for Agriculture; the Environment; Health; Mining and Minerals and Sustainable Energy.

Our capacity in research leadership was enhanced this year with the addition of two new research chairs. Dr. Xiaodong Liang, P.Eng., was awarded the Canada Research Chair in Technology Solutions for Energy Security in Remote, Northern and Indigenous Communities. Dr. Bishnu Acharya, P.Eng., was appointed Saskatchewan Ministry of Agriculture Chair in Bioprocess Engineering.

This year has challenged the college in ways we could not have anticipated a year ago, but in many ways, it has demonstrated our resilience and ingenuity and inspired us to work with our partners to rise to the occasion and help each other, as we always do in Saskatchewan.

Community Engagement

Without doubt, our community engagement has looked very different over the past year. Maintaining connection to and relationships between our faculty, staff, students, alumni, industry, government and community partners was crucial; therefore, we accepted the circumstances quickly and planned accordingly.

Science Camps and Conferences

The pandemic affected our science camps, workshops and conferences, but did not stop all our work with young STEM enthusiasts. In-person training opportunities have been suspended, as the safety of our campers and staff remains our top priority.

SCI-FI Science Camps switched to online delivery. Online workshop content was delivered through contactless means in countless schools across the province, either through schools' online platforms, or software such as Webex, Zoom or Google Meets.

We have also turned to our Facebook page and YouTube channel more and posted some fun, backyard science projects on that the whole family can enjoy. Our video series "What's New @ the U" takes kids behind the scenes at USask and presents the interesting work our researchers have been up to.

Most impressively, our director, Maureen Bourke, arranged to deliver learning kits to at-risk communities with their baskets from the food bank.

C. J. Mackenzie Gala of Excellence and other college events

Each year, C.J. Mackenzie Gala of Excellence brings together more than 500 engineering students, faculty, alumni and industry partners to hear from a selected alumnus of our college and honour them as our Distinguished Lecturer - one of the highest honours to be given to a USask engineering alumnus.

The College of Engineering hosted its 44th annual C.J. Mackenzie Gala of Excellence on January 21, 2020 and celebrated the engineering profession and the achievements of Dr. Brad Polischuk (BE'88, MSc'90, PhD'93). The triple alumnus of our College was the latest inductee to the Alumni Wall of Honour.

USask regrettably had to cancel public events in response to the COVID-19 pandemic. This cancellation applied and continues to apply to all public events. In-person convocations were cancelled as were other events where engineering students would normally celebrate completing their degrees, along with each discipline's graduation banquet.

We look forward to January 25, 2022, where we can meet again to celebrate our newest C. J. Mackenzie Distinguished Lecturer: Myron Stadnyk (BE'85, Mechanical). We are deeply grateful for the continued sponsorship that the Association of Professional Engineers and Geoscientists of Saskatchewan provides for this event.

External Relations

We continued engaging our industry partners on matters with strategic impact and innovation potential, but also those of great importance to our students, such as capstone design projects and co-op program.

This has been the first year of our co-op internship program, which now includes preparatory course for students and dedicated industry mentors in addition to workplace supervisors. The program is designed and built to create a pipeline of outstanding students who are exceptionally well prepared for future employment.

In the face of limited events, our external relations team pivoted to focus on communications and marketing and we are thrilled to see the improvements that resulted from this effort.

Dean's Advisory Board

A Dean's Advisory Board, now in its second year of existence, continued working and meeting through 2020. The Board met three times during the year, albeit in a different setting. With unaltered membership, the Board provided stability, along with guidance, advice and advocacy on matters related to the college's vision, mission and strategic plan.

The Dean's Advisory Board members are:

- Tom Kishchuk, VP Operational Support, Federated Co-operatives Limited
- Daphne Arnason, Former VP Global Risk Management & VP Internal Audit, PotashCorp
- Terry Bergan, Former President and CEO, IRD
- Aaron Genest, President, SaskTech Association
- Larry Long, Senior VP Operations, Potash Nutrien
- Mike Marsh, President and CEO, SaskPower
- Lisa Mueller, VP New Ventures, Razor Energy Corp
- Rob Norris, Senior Government Relations Officer, Canadian Light Source
- June Verhelst, VP Construction, Graham Industrial Services Ltd.

On the Horizon

Over the past year, we were forced to shift gears, adjust to online teaching and learning and working from home. Still, we did not lose sight of our top priorities: Accreditation, implementation of our new first-year program, having an optimal space for our teaching and research needs.

Accredited undergraduate engineering programs in Canada were all granted a one-time, one-year accreditation cycle extensions by the Canadian Engineering Accreditation Board, a standing committee of Engineers Canada.

Our accreditation visit was initially scheduled for fall 2020. As all accreditation visits have been deferred for one year, we are preparing for our upcoming visit in fall 2021. It will be our first virtual accreditation visit.

Our new first-year program was approved by the University of Saskatchewan and will welcome its first students in fall 2021. The process to change our engineering program started in 2016.

After five years of hard work, extensive consultation with faculty and students, as well as research on effective instruction, principles for teaching and learning in higher education and practices that support student success, we are ready.

We are looking forward to welcoming students to the most effective first-year in Canada, now dubbed "RE-ENGINEERED".

Finally, while continuing to build the vision and support for our new building, we also work on leveraging existing space. The switch to remote learning was challenging in many aspects, but also provided some time to consider specific lab, classroom and office needs in the college.

We are planning how to use our space more effectively, but also considering how to operate safely, while building the kind of vibrant learning community that we are all used to for our future students.

Respectfully submitted,

Suzanne Kresta, Ph.D., P.Eng., FEC
Dean

Introduction

It is my pleasure to provide this report on the Faculty's recent achievements. Our enrolment stabilized after a few years of continued growth. Although we are still seeing a decline in the Petroleum Systems Engineering Program. Our research programs are continuing to receive considerable funding.

We have completed the search for two professors in Industrial Systems Engineering and we expect a new professor in Environmental Systems Engineering to join us in July 2021. The following academic staff member joined the Faculty in 2020: Adam Tilson, new lab instructor in Software Systems Engineering.

Enrolment

Undergraduate enrolment based on the fall semester decreased from 920 students last fall to 781 students. The following table presents undergraduate enrolment numbers from Fall 2020:

MAJOR	GRADUATE STUDENTS BY MAJOR AND GENDER (FALL 2020)			
	TOTAL BY MAJOR		DEGREES AWARDED (SPRING & FALL 2020)	
	TOTAL	FEMALE	FEMALE (%)	
Electronic Systems Eng.	130	17	13	20
Environmental Systems Eng.	137	51	37	44
Industrial Systems Eng.	170	29	17	60
Petroleum Systems Eng.	60	11	18	39
Software Systems Eng.	113	22	19	26
Common First Year & Undeclared	170	23	14	
Exchange Students	1	1	100	
Total	781	157	20	189

Graduate enrolment increased from 331 to 349. The following table presents graduate enrolment numbers from Fall 2020:

MAJOR	GRADUATE STUDENTS BY MAJOR AND GENDER (FALL 2020)			
	TOTAL BY MAJOR		DEGREES AWARDED (SPRING & FALL 2020)	
	TOTAL	FEMALE	FEMALE (%)	
Electronic Systems Eng.	53	13	25	11
Environmental Systems Eng.	72	34	47	17
Industrial Systems Eng.	99	15	17	25
Process Systems Eng.	42	9	21	11
Petroleum Systems Eng.	52	13	25	11
Software Systems Eng.	31	9	29	19
Total	349	93	27	93

Equipment Funding

Undergraduate students continue to contribute to the Engineering Equipment Fund - \$200 per semester in four of our programs. The university also provided funding of \$200,000 and the Faculty invested additional funds for equipment purchases.

Research

New external research awards totalled approximately \$3.19 million from various external sources:

Mitacs: A total of \$812,000, received by Irfan Al-Anbagi, Abdul Bais, Christine Chan, Mohamad El-Darieby, Amr Henni, Gordon Huang, Hussameldin Ibrahim, Raphael Idem, Golam Kabir, Mehran Mehrandezh, Jacob Muthu, Kelvin Ng, Wei Peng, Peng Wu, Jinkai Xue, Kin-Choong Yow and Zhanle (Gerald) Wang.

NSERC: A total of \$1.0 million, received by Abdul Bais, Liming Dai, Paul Laforge, Mehran Mehrandezh, Jacob Muthu, Kelvin T. W. Ng, Jinkai Xue, Daoyong Yang and Kin-Choong Yow.

PTRC: A total of \$146,378, received by Amr Henni, Peter Gu, Gordon Huang, Na Jia, Farshid Torabi and Fanhua Zeng.

Other sources: A total of \$1.2 million, received by Irfan Al-Anbagi, Abdul Bais, Amr Henni, Gordon Huang, Raphael Idem, Mehran Mehrandezh, Rene Mayorga, Kelvin T. W. Ng, Raman Paranjape, Fanhua Zeng and Kin-Choong Yow.

Recognition and Achievements

Noteworthy recognitions since the last report are listed below. Please also see Monthly Letter | Engineering, University of Regina (uregina.ca)

- Shawna Argue, P.Eng., FGC (Hon.) FEC, FCSSE, BASc'87 is the 2020 the Lifetime Achievement Award, Alumni Crowning Achievement Award.
- Esam Hussein, Ph.D., P.Eng., FCSSE was named a fellow of the Canadian Society of Senior Engineers.
- Raphael Idem, Ph.D., P.Eng was named a Fellow of the International Association of Advanced Materials.
- Megan Moore received the APEGS 2020 Friend of the Professions Award.
- Usman Munawar (MASC student in Electronic Systems Engineering, supervised by Zhanle Wang, Ph.D., P.Eng.) was selected as a recipient of the 2020 IEEE Power & Energy Society Outstanding Student Scholarship.
- 12th RCE Education for Sustainability Recognition Award, Saskatchewan Regional Centre of Expertise on Education for Sustainable Development:
- Mauz Asghar, Jungtaek Lee, Jay Ramler, Ghebrehiwet Zeremariam and Kelvin T. W. Ng, "Design of a Conceptual Water Distribution System for the Village of Meath Park".
- Estefania Vilela, Hallie Luthe, Lawrence Boamah, Alec Wu and Stephanie Young "Reclamation of Storm Water Collected from the University of Regina Campus for Irrigation".

Respectfully submitted,

Esam Hussein, Ph.D., P.Eng., FCSSE
Dean

University of Saskatchewan Department of Geological Science

The Department of Geological Sciences at the University of Saskatchewan offers degrees in Geology and Geophysics as well as multidisciplinary degrees in Earth and Environmental Sciences and Paleobiology.

This past year saw 36 undergraduate degrees granted, which is down from previous years. Overall, undergraduate numbers are down likely due to the prolonged slowdown in natural resource industries.

A new Environmental Geoscience program, initiated by Prof. Matt Lindsay, was approved and the first courses were offered in Fall 2020. There are 38 M.Sc and 22 Ph.D students pursuing graduate degrees within the department.

Prof. Jim Merriam retired at the end of the 2019-2020 academic year and Prof. Joyce McBeth's term position ended. Fortunately, she has been appointed to a tenure-track position at the University of Regina and has also been appointed as an Adjunct Professor in our department, so she will continue her research collaborations with various members of faculty in Saskatoon.

Prof. Graham George, one of our Tier 1 CRC faculty, was awarded a D.Sc. during 2020 and Prof. Ingrid Pickering had her Tier 1 CRC renewed for another seven years. Prof. Pickering is also currently Chair of the Board for the Canadian Foundation for Innovation.

Prof. Bruce Eglington has been appointed to co-chair the Petrology Working Group for the International Union of Geosciences Deep-time Digital Earth initiative. Prof. Sam Butler had a six-month administrative leave and Prof. Eglington stood in for him during the Fall term.

As a result of COVID-19 restrictions, no field schools ran in 2020 and all classes during the Fall Term were remote. It is planned to run at least one field school again in 2021.

The Ore Gangue hosted the Western Inter-university Geoscience Conference in early 2020 prior to COVID-19 restrictions limited travel. Several students were also able to attend PDAC before travel restrictions were implemented.

Most of the 16 faculty hold NSERC Discovery grants and many also receive funding from NSERC CRD, NSERC Strategic Partnership Grants, from the Geological Survey of Canada and from industrial and international sources.

Faculty in Geological Sciences were authors on more than 70 distinct publications.

Respectfully submitted,

Dr Bruce Eglington
Murray Pyke Chair and Acting Head

University of Regina Department of Geology

The year 2020 was a challenging year for the entire world, including the Department of Geology. The department rose to the challenge and exceeded expectations in teaching, service and research.

Halfway into the winter semester, classes switched to online. Instructors and students had to adjust in one week to new technologies for remote class delivery.

For the following terms, faculty and staff in the department worked exceedingly hard to prepare sample kits with rocks, minerals, fossils, maps and more for students to take home and continue with quality hands-on learning experience. More than 200 kits were prepared and distributed, sometimes shipped outside Regina for our first-, second- and third-year classes.

Videos to teach field methods and to introduce class projects were filmed in the field and produced with the support from the Faculty of Science. The department's efforts reached the local news, for more information visit: <https://www.cbc.ca/news/canada/saskatchewan/university-virtual-labs-regina-1.5886806>

The department finished its Academic Unit Review in 2019. The review committee made few recommendations centred on: Maintaining a minimum complement of faculty and staff in order for the department to function properly; exploring further support and collaboration with other units across the university and with external stakeholders/partners; developing a strategic plan for the department where we shape future directions.

Since then, the department has hired two new faculty members, formed a Strategic Plan committee and initiated conversations on potential collaborations with other departments and faculties.

The composition of our department changed significantly these past months. Dr. Stephen Bend, P.Geo. (faculty) retired in April, Dr. Richard From (laboratory instructor) left the department in July.

Two new tenure track faculty members, Dr. Leslie Robbins, P.Geo and Dr. Joyce McBeth, joined the department in July. These two new faculties are welcomed additions in the areas of geobiology, geomicrobiology and low-temperature aqueous geochemistry.

The Department also welcomed our new technician Joanne Downing in 2019. Dr. Kathryn Bethune, P.Geo. finished her term as Department Head in June 2019. Dr. Hairuo Qing took over until December 2020. Since then, Dr. Maria Velez has been in the position until 2025.

The department's faculty made significant research contributions in the areas of the uranium mineralization in the Athabasca Basin, Martian meteorites, the exchange of materials from Earth to the Moon or Mars and vice versa, lithopanspermia, hydrocarbon reservoirs characterization, the Paleoproterozoic configuration of North America, geothermal energy and the identification of natural and anthropogenic stressors to water bodies, among others.

Most of this research is funded through NSERC, the Geological Surveys of Saskatchewan and Canada and the private sector and published in national and international peer-reviewed journals.

For more information visit:

<https://www.uregina.ca/science/geology/people/index.html>

In 2020, 365 students registered in the first-year course. There were 77 and 20 declared majors in the Geology and Environmental Geoscience programs, respectively. Our graduate student enrolment remains steady with 17 Masters and six Ph.D candidates. Throughout the year, we graduated four Masters and two B.Sc honours.

Our students continue to be recognized nationally and provincially for their academic achievements. A number of our undergraduate and graduate students were recognized in 2020.

Shelby Brandt won the APEGS Gold Medal. Nicole Kerbs won the CSPG Student Industry Field trip. Daniel Ferguson was awarded the Student-Industry Mining Exploration Workshop (S-IMEW).

As the COVID-19 pandemic continues, the department is working to accommodate hands-on and field experiences to our students in the form of samples kits, online classes and labs and virtual fieldwork.

Respectfully submitted,

Dr. Maria I. Velez
Department Head

The mission of the RES is to serve the professional and social needs of engineers in the Regina area and to support interaction between its members, local technical societies, engineering students and major engineering employers.

The objectives of the RES are:

- To facilitate the exchange of professional knowledge among its members.
- To advance the professional and social welfare of its members.
- To promote the engineering profession to the public.
- To collaborate with universities and other institutions in the advancement of engineering education.
- To promote good relations between engineers and members of allied professions.
- To promote and assist in the education of youth groups in fields related to the engineering profession.
- To co-operate with other Constituent Societies for the advancement of mutual interests.

The 2019-2020 RES Executive Council served during the RES fiscal year of June 1, 2018 to May 31, 2019. The RES Annual General Meeting was held in conjunction with the annual golf tournament on June 21, 2019, where new executives were introduced. The 2019-2020 RES Executive Council served from June 1, 2019 until May 31, 2020.

POSITION	2019-2020	2020-2021
President	Brit Sippola	Brit Sippola
Vice-President	Dustin Unger	Dustin Unger
Past President	Mitchell Pocket	Vacant
Treasurer	Kelsey Wells	Kelsey Wells
Secretary	Chantel Kryzanowski	Chantel Kryzanowski
Social Director	Sarah Yeo	Sarah Yeo
Technical Presentations Director	Kyle Mason	Kyle MasonSarah Yeo**
Communications Director	Olagoke Rufai	Olagoke Rufai

Regina Engineering Society continued

POSITION	2019-2020	2020-2021
University of Regina	Rob JonesDouglas Wagner	Rob JonesDouglas Wagner
Regina Engineering Students' Society	Brandon Clarke	Emily Schwab
CSCE Southern Saskatchewan	Brent Miller	Brent Miller
IEEE Southern Saskatchewan	Adam Tilson*	Adam Tilson
Regina Geotechnical Group (RGG)	Jasyn Henry	Jasyn HenryJenae Nixon**
APEGS Liaison	Nicole Barber	Nicole Barber

* Vacancy filled after the Annual General Meeting ** Vacancy filled after resignation

Prior to the COVID-19 pandemic, the RES held and took part in several events. The RES had a successful technical presentation called “Understanding Your Legal Risks and Obligations as an Engineer”, presented by Jeremie Roussel and Andrew Konpelny of MLT Aitkins LLP Inc. on January 28, 2020.

Representatives of the RES spoke at the “Girls Science Night” at the Saskatchewan Science Centre on February 11, 2020. The RES held a successful 3D Printing Workshop at the Regina Public Library on March 11, 2020.

The annual Engineering Horizons Dinner was to have been held on April 16, 2020 at the Conexus Arts Centre. This event was to be emceed by RES President Brit Sippola. Dr. John Root, Executive Director of the Sylvia Fedoruk Canadian Centre for Nuclear Technology was going to speak on “What is Nuclear in Medicine, Materials, Energy, and the Environment”. This event was postponed.

The money that would have been used on our annual Family Bowling Day was donated to the Regina Food Bank.

The Annual General Meeting was held virtually on August 5, 2020.

The Annual Holiday Mixer was held virtually on December 18, 2020, with catering from the Italian Star Deli. This event was successful. We hope to hold more integrated virtual/physical events in the future.

Unfortunately, no awards were distributed in 2020. However, we plan to recognize the hard work and effort of our 2020 graduates at our 2021 AGM.

The RES is continuing to provide support to a number of events and organizations throughout the community, including the Regina Geotechnical Group, Engineers Without Borders, the E.Y.E.S. Camp, the Chess Association and the Western Engineering Competition.

Like many groups, the RES had a unique and challenging year in 2020 and we are continuing to find new ways to reach our members in these unprecedented times. The RES is looking forward to another successful year in 2021 and would like to thank APEGS for their continuing support and guidance.

Respectfully submitted,

Brit Sippola, Engineer-in-Training
President

Saskatoon Engineering Society

In 2020, the Saskatoon Engineering Society (SES) continued to offer a variety of technical, professional development and social events. Members were able to work on quality improvement, improve their intercultural awareness, learn about entrepreneurship opportunities and socialize over bowling.

A highlight was the tour of Virus and Infectious Disease Organization (VIDO) prior to the shutdown imposed by COVID-19. Members were also able to learn more about engineering in ancient Rome and other ancient societies.

The 2020 Executive Committee started with a virtual AGM which resulted in:

SES Engineer of the Year: Dr Ritu Malhotra, P.Eng.

SES Educator of the Year: Dr Joel Frey, P.Eng.

SES Long-Term Service: Ross Welford, P.Eng.

Directors: Rajeev Chadha, P.Eng., Rajesh Shah, P.Eng., Arian Andkhoie, P.Eng., Alan Tsui, P.Eng., Akinniyi Akinpelu, P.Eng., Harprit Singh, P.Eng., Vinay Parab, Engineer-in-Training, Jeremy Nelson, P.Eng.

Treasurer: Zygmunt Kowa, P.Eng.

Vice-President: Sumith Kahanda, P.Eng.

President: Juniper Willard, P.Eng.

University of Saskatchewan: Emmanuel Sacchi, P.Eng.

APEGS: Lesley McGilp, P.Eng.

SESS: Dylan Banman

It is no surprise that COVID-19 caused some challenges for the organization and offering of events. However, we have been able to offer an introductory workshop on programming with Python and have virtual pub nights upcoming.

We are working on improving access of the necessary study materials for the Professional Practice Examination (PPE). In addition, we are working on a platform for our members to be able to communicate and network with each other while maintaining social distancing.

Respectfully submitted,

Juniper Willard, P.Eng.
President

Moose Jaw Engineering Society

The Moose Jaw Engineering Society held two executive meetings in 2020.

At our first executive meeting we made plans for our annual golf tournament that later had to be cancelled. We also approved our annual commitment of a \$1,000 bursary to a Saskatchewan Polytech Engineering Technology student from the MJES catchment area.

At our second executive meeting we made plans for hosting a virtual AGM.

The 2020 virtual AGM was held on February 17, 2021. The meeting started with a presentation on ethics from APEGS' Director of Professional Standards. We also received a presentation from APEGS' Liaison Councillor to the MJES on the APEGS Governance Change Project.

The liaison councillor has been very diligent in attending our executive meetings and sending us regular updates. The MJES would like to thank APEGS for their support and involvement with our society again this year.

For our regular meeting items, we received a detailed report of our healthy financials from our treasurer, Naser Jaradat. We received an update from Shaun Nanan, our Saskatchewan Polytech liaison on planned hybrid programming at Saskatchewan Polytech with lectures being online and labs being in-person. He also reported on many engineering technology programs recently being recognized/accredited by the International Engineering Alliance.

Rory Windrum and Ryan Johnson led a discussion on professional development events. Daryl Bunnell committed to once again organizing our annual golf tournament.

We held elections, with all incumbents remaining on executive.

We would like to thank Rajib Sahaji, who had to resign during the year for his work with the MJES and wish him the best with his move to Regina.

Thank you to Ben Boots for accepting his nomination to the role of Secretary. Ben was an active APEGS councillor and liaison to MJES in the past and we look forward to his addition to our executive.

We had a new member volunteer and added Lincoln Socka to a role of Professional Development, shadowing Rory and Ryan.

The executive was excited to see a bunch of new members at the virtual AGM and look forward to seeing everyone at our events in the future.

Respectfully submitted,

John Conway, P.Eng.
President

CIM Saskatoon Geosection

On behalf of the CIM Saskatoon Geosection, it is my pleasure to submit this report to APEGS regarding our 2020 society activities.

The CIM Saskatoon Geosection is one of two Saskatoon-based branches in District 4 (Central Canada) of the Canadian Institute of Mining, Metallurgy and Petroleum. The stated objective of the Saskatoon Geosection is to provide a forum for the presentation and discussion of technical information in the application of geology, geophysics and geochemistry in the exploration, development and exploitation of mineral resources.

This past year was challenging for many organizations whose plans and programs were disrupted by the global pandemic. The CIM Saskatoon Geosection was no exception.

Our organization began the year with talks scheduled monthly throughout the winter and spring. However, the shutdown and inability to host in-person meetings required a pause in our activities. In mid-December we hosted our first online talk, which was well received by the members in attendance.

In February of this year, we hosted our 2020 Wolfgang Stoeterau Award winner, University of Saskatchewan Ph.D candidate Aidan Mowat. Based on the feedback and success of these online talks, the Geosection is planning to host more in the coming months until in-person meetings can be held safely.

A list of our talks over the past year is below.

January 27, 2020: Dr. Melissa Anderson - Drilling the seafloor: New Insights into Hydrothermal Fluid Flow and Alteration Below an Actively Forming Massive Sulfide Deposit.

February 25, 2020: Brian Lee Crowley – Managing Director, Macdonald-Laurier Institute for Public Policy – When Demands for Social License Become an Attack on Democracy.

December 18, 2020: Brian Brunskill, P.Geo. – Compressed Air Energy Storage (CAES) Potential in Saskatchewan.

February 10, 2021: Aidan Mowat (2020 Wolfgang Stoeterau Award Winner) - Paleohydrology of Devonian Carbonates in the Williston Basin.

Every year, our funding goes towards supporting our lunch meeting (bringing in both local and travelling speakers), supporting geological and science-related initiatives in Saskatoon and most importantly, in support of the Wolfgang Stotereau Scholarship for Earth Science Students at the University of Saskatchewan.

When our accounts are no longer sufficient to support those activities, we work with the CIM national group to run a Saskatchewan field conference to replenish our funds. The most recent conference was held in September 2017 and provided a boost to the society's balance sheet. This funding combined with the annual APEGS grant will allow the Saskatoon Geosection to expand its 2021 program and provide new networking events for geoscience professionals and recent graduates once in person events can be resumed.

The Saskatoon Geosection Executive for 2021 are:

- Branch Chair: Andy Yackulic, P.Geo.
- Program Chair: Chris Hamel, P.Geo.
- Treasurer: Darcy Hirsekorn, P.Geo.
- Secretary: Catlin Glew, P.Geo.
- Past Chair: Shayne Rozdilsky, P.Geo.

The Saskatoon Geosection would like to thank APEGS for their continued support of the society and look forward to seeing everyone in 2021.

Respectfully submitted,

Shayne Rozdilsky, P.Geo.
Branch Chairperson

It has been quite a year for all of us as the impact of COVID-19 has been so far reaching. For me, the disruption of our social time together has been most disappointing, as annual activities like the Saskatchewan Geological Survey Open House, Williston Basin Petroleum Conference, Society Field Trip, Curling Bonspiel and Golf Tournament were cancelled.

I've been really missing sharing a beer with friends and colleagues at our regular luncheon talks while listening to some great speakers. And for the first time ever, this Annual General Meeting is being held online.

The good news is that we can be cautiously optimistic that conditions will change in a timely way that will allow the return of these activities later in 2021. That's what the SGS executive is planning for.

Many dedicated volunteers have been busy supporting the important work of our society while accommodating the hindrances associated with COVID-19.

Taylor Forsyth, our Vice-President, has been looking after our membership roll and getting notices out to us in a timely fashion. Andrew Morley, our Business Manager, had to look after the cancellation of many scheduled events, as well as help with our inventory of SGS clothing for sale.

Samantha Van De Kerckhove, our Society Secretary, diligently documented the discussions and plans at executive meetings. As Treasurer, Dillon Johnstone stewards our finances with attention, competence and guidance.

Alec Pollard and David Thomas, our Program Co-Chairs, have done a brilliant job transitioning our luncheon talks to the Teams web-based presentation platform and they already have a full slate of talks taking us into the spring.

Mike Thomas, our Past President, has not only been providing his sage guidance throughout the year, but when we were able to still meet outside in the spring, he made sure everyone's thirst was suitably quenched.

The Education and Outreach Committee was very busy this year. With Kate McLaughlin's Chairperson skill and dedication, this group was able to add new lesson plans to the website and Geoscape Saskatchewan Project.

In March, the School Lecture was well received by over 650 students, led by the fantastic efforts of Svieda Ma and Samantha Van De Kerckhove.

The Geoscience Calendar Committee, now in its seventh year and chaired by Ralf Maxeiner, was another busy group of Society volunteers.

Co- Chaired by Kate MacLachlan and Ralf Maxeiner, the GeoExplore Saskatchewan Committee continued its work and converted the 2002

Geological Highway Map to the digital platform GeoExplore Saskatchewan. Many have expressed their appreciation for this wonderful, publicly available resource.

Mike Thomas is also chair of the SGS Awards Committee and Dave MacDougall provides a great synopsis of Colin Dunn's citation on the SGS Honour Roll. John Lake, our Field Trip Chair, is optimistic that the 2020 planned trip to Yellowstone National Park has just been postponed until this fall. This annual trip is a fantastic activity many of us look forward to. Please consider coming along if you are able. It is a lot of fun. The rocks are cool, too.

Everyone who came along on Society field trips witnessed the amazing generosity of our recently deceased friend and colleague Kim Kreis. Kim was always first to help organize a trip, drive a van, make sure the drinks were cold, snore loudly, drive a van, prepare our picnics, load gear and, yes, drive a van.

More than a few times I wondered what Kim wiped his pocketknife on before he sliced the cheese and tomatoes for our picnics. I invite you to read the wonderful stories about Kim in the December issue of the Rock Record, available on the website. A remarkable guy who touched the lives of many people in so many wonderful ways.

Finally, I wish to thank my fellow Executive and Committee members. Volunteers provide the fabric of our organization and serve to selflessly enrich the lives and experiences of others. Please contact me if you might consider getting involved.

Respectfully submitted,

Brian Brunskill, P.Geo.
President

Association of Consulting Engineering Companies – Saskatchewan

The Association of Consulting Engineering Companies – Saskatchewan (ACEC-SK) is a not-for-profit association representing most consulting engineering and consulting geoscience firms in Saskatchewan. It does this through promoting a business and regulatory climate that allows its members to provide best value to society.

Consulting engineering services include planning, designing and implementing all types of engineering and geoscience projects and providing independent advice. It directly or indirectly influences approximately \$2 billion of capital investment annually to support economic growth in Saskatchewan.

Advocacy

The past year spanned two economic extremes in this industry. In the latter half of 2019 and into 2020, the pattern of reduced capital investment from both public and private owners endured and contributed to continued reduction of available work for this industry. This forced many consulting firms into a pattern of layoffs of a magnitude this industry has not seen in several decades.

Not only were junior staff being let go, but intermediate staff were also victim of this downturn as companies repositioned themselves to adapt to a reduction in capital works. Then the pandemic arrived. Questions arose whether engineering and construction would be allowed to continue at all because of safety concerns.

ACEC-SK and other private-industry associations advocated for work sites to remain open. In Saskatchewan, engineering and construction were deemed allowable business services.

Following this was an examination of the most effective ways government could stimulate the economy to avoid a steep recession or worse. ACEC-SK, among others, advocated that infrastructure stimulus was a proven method to boost the economy during a downturn.

In May 2020, the provincial government announced \$7.5 billion in infrastructure investments over two years to support economic recovery, a boost of \$2 billion that had already been announced earlier in the year. This led to an extremely busy summer as opportunities for all industry sectors were released to market.

With the release of this public funding came an expectation that local industry, to the greatest extent possible, would benefit from these opportunities. These expectations were tied to Community Benefits, a method of weighted scoring in competitions that would recognize the use of local labour.

This again had an impact on industry resourcing. The unstructured way in which opportunities have been released to market has also challenged the industry and has created an additional burden on industry's ability to respond. These challenges have led to different industry pressures than were experienced a year ago, but pressures nonetheless.

Profile

The Association pivoted its advocacy work and programs to virtual delivery in response to the pandemic. Industry partnerships, access to governmental decision makers and professional development opportunities all benefitted from moving Association operations online.

Effort was invested to elevate ACEC-SK's profile through such things as co-hosting information sessions with governmental partners, as well as providing a virtual platform to celebrate this industry's annual awards program.

ACEC-SK was featured in several mainstream media publications, including the Regina Leader-Post and Saskatoon Star Phoenix for Engineering and Geoscience Week, as well as APEGS' *The Professional Edge* to highlight COVID-19 impacts on our industry.

We also maintained a steadily growing presence on multiple social media channels, including LinkedIn, Twitter and Facebook.

Member Engagement

At the end of the year, ACEC-SK had 65 member firms that employed approximately 1,600 professional, technical and support personnel. We were pleased that despite the uncertainties presented early in the pandemic, ACEC-SK's membership held strong during this year. In fact, ACEC-SK was pleased to welcome new corporate members: Arcadis Canada, CAE Consulting Solutions, ECO ENGINEERING, Gold Standard Engineering, March Consulting Associates, Matrix Solutions, Prairie Road Solutions and Soli Solutions.

The Association also maintained its complement of associate member firms from related interest groups and suppliers. ACEC-SK is a member of the Association of Consulting Engineering Companies – Canada, which is affiliated with the International Federation of Consulting Engineers.

Opportunities to increase member engagement greatly increased this year given the provincial government's introduction of a market sounding strategy. ACEC-

SK has been pleased to circulate contemplated projects to its membership for feedback.

As recognized stakeholder, ACEC-SK is now also in regular receipt of such planning tools as SaskBuild's procurement schedule and the major capital projects list, as well as the Ministry of Highway's two-month calendar view of the 2020 fall tender plan.

On a more light-hearted note to report. Despite the pandemic, ACEC-SK was able to offer its annual golf tournament as a golf event, utilizing technology to encourage interaction among participants golfing on the same day in both Regina and Saskatoon.

Our members are missing the opportunity to network during these times of distancing restrictions, so the Association continues to explore professional growth opportunities through such things as professional/business development sessions and social networking opportunities.

ACEC-SK continues to expand and succeed thanks in part to the commitment of the volunteer Board of Directors:

Nancy Inglis, P.Eng., PMP, Past Chair

Patrick Lalach, P.Eng., Chair

Sean Bayer, M.Eng., P.Eng., PMP, Vice Chair

Nick Wright, A.Sc.T., Secretary-Treasurer

Ryan King, Director

Brett LaRoche, P.Eng., Director

Marc Bourassa, P.Eng., Director

Scott Neurauter, B.Sc., Director

Ian Walker, Director

Lawrence Lukey, P.Eng., ACEC-Canada Liaison

Gavin Jensen, P.Geo, APEGGS Liaison

Nicholas Kaminski, M.Eng., P.Eng., PMP, Young Professional Liaison

Andrew Doyle, Associate Member Liaison

ACEC-SK efforts on behalf of the industry are co-ordinated by Beverly MacLeod, Executive Director and Darlene Leamon, Operations Manager. The dedication of all that contribute to our association – Board, staff and many member firm volunteers – greatly contributes to our success and is much appreciated.

For more information about our organization, contact the ACEC-SK office at 306-359-3338 or visit at www.acec-sk.ca.

Respectfully submitted,

Beverly MacLeod
Executive Director

Saskatoon Engineering Students' Society

The Saskatoon Engineering Students' Society started 2020 as usual. But like many other societies and businesses, we were heavily affected by the COVID-19 pandemic.

The University of Saskatchewan moved all classes online in March. This posed a challenge to our society to reach our 1,700 undergraduate students to provide professional development, social events and academic support.

Being resilient engineering students, we transitioned our whole student society virtually, created and promoted our social media accounts, created discussion boards, upgraded our website, created a virtual e-store, hosted virtual events and attended virtual attending conferences.

None of this could have been done without the generous funding we receive from APEGS each year. The funding from APEGS is used in many ways, from sending students to conferences to hosting events for engineering students at the University of Saskatchewan.

This past year we were able to send delegates from the University of Saskatchewan to six conferences. In January 2020, members attended the Canadian Federation of Engineering Students' (CFES) Canadian Engineering Leadership Conference, where student leaders could improve their leadership skills, styles and network.

The University of Saskatchewan also hosted the Western Engineering Competition in January. Here, the SESS sent 16 delegates to compete against other undergraduate engineering students in Western Canada and to develop their skills in fast-paced, hands-on engineering challenges.

The CFES Conference on Sustainability in Engineering was hosted February 21-24. Three delegates were sent from the SESS to this conference that aims to develop knowledge surrounding the topic of sustainability, both found within engineering communities and for individuals.

WESST Executives Meeting was hosted online by the University of Victoria on August 28-30. This opportunity gave our representatives the opportunity to network with students from western engineering schools and attend a general assembly where they contributed to the discussion on the continual improvement of the academic experience for engineering students.

The Saskatoon Engineering Competition was held locally for our students to compete with the chance to move on to larger competitions. The competition was held virtually so that students could compete safely during the COVID-19 pandemic. APEGS funding allowed us to provide a successful competition for all our competitors.

WESST Annual General Meeting and Retreat was hosted by the University of Regina from November 27-28. Delegates networked with other students, attended a general assembly and attended workshops on leadership in engineering.

One of our representatives, Regan Wilson, also ran in the WESST election and was elected as the incoming WESST president and west ambassador to the CFES for the 2021-2022 school year. This will be the third year in a row a SESS member has become the WESST President.

Lastly, in December, the Saskatoon Engineering Students' Society created the first-ever Honour Pin Ceremony at the University of Saskatchewan, where first-year engineering students accept the importance of academic integrity and ethics. APEGS played an essential role in this event as our sponsor and featured a guest speaker.

The SESS proudly keeps the APEGS logo on our social media and throughout our college. We thank APEGS for being our primary supporter at various events like Honour Pin.

APEGS has single-handedly improved our students' university experience. APEGS has allowed many students to network, improve professional skills and make nationwide connections.

On behalf of the SESS, thank you, APEGS, for your continuous support of the SESS.

Respectfully submitted,

The Saskatoon Engineering Students' Society

Regina Engineering Students' Society

The year 2020 was an eventful year for the Regina Engineering Students' Society (RESS) as classes moved online and many last-minute changes were required.

RESS's continued ability to host events for engineering students at the University of Regina throughout the pandemic has been made possible by the continued support provided by APEGS and the Student Development Committee (SDC).

In January, the RESS sent nine University of Regina delegates to compete at the Western Engineering Competition hosted by the University of Saskatchewan in Saskatoon. They participated in the communications, re-engineering, innovative design and senior design competitions.

Students applied their problem-solving and design abilities during the competitions. They networked with other engineering students and industry professionals. The weekend was a great success. Many good memories were made.

In late August, WESST hosted the Executives Meeting virtually. The theme was Adaptability and Resiliency in Engineering, which was fitting as the RESS and other societies were adjusting to the transition of virtual learning.

The RESS sent three delegates to attend the conference. They participated in events and discussions regarding adapting society's operations during the pandemic and problems regarding virtual university.

A lot of time was spent sharing ideas with other engineering students about how to continue to engage with their universities' engineering students virtually and safely. The event focused on the responsibility societies have as student leaders and future engineers use foresight in adhering to ethical decision making by safeguarding the public and our peers.

The RESS hosted the Annual Years 1-4 Event on September 24. The event was modified to a virtual format to abide with current safety guidelines and ensure a high level of safety for both students and industry professionals involved in the event. Students were given the opportunity to listen and participate in a panel discussion made up of five local engineers. Panellists provided valuable advice for students and insight into their respective engineering industries.

In November, the WESST Annual General Meeting took place virtually. The U of R was excited to host the event in Regina, but that was not possible. They will host it in Fall 2021. Several RESS members attended. They participated in leadership events and sessions. Mental health and getting involved as a student were discussed.

APEGS also contributes to the success of many other engineering groups on campus. They provide funding to groups such as:

- SAE Cougar Racing,
- ASHRAE University of Regina Student Branch,
- University of Regina Society of Petroleum Engineers,
- IEEE Student Branch,
- University of Regina GNCTR,
- RAM Techcon Aerotronics Innovators,
- University of Regina Robotics Club,
- CSCE University of Regina Student Chapter.

These groups provide students a variety of engineering-focused clubs that allow students to develop skills beyond those required in class.

The RESS would like to thank APEGS for its continuous support and generosity. The ongoing effort of the SDC has been crucial to providing students with valuable experiences and knowledge.

Respectfully submitted,

Emily Schwab
VP Professional Affairs

D.M. Kent Club - University of Regina Geology Students

The 2020 year was a time of uncertainty and new challenges for the D.M. Kent Club of Geology (DMKC).

Enrolment in the club reached 91 students, slightly surpassing our number of members in the previous academic year. Our membership ranged in students in first-year courses all the way to masters and Ph.D candidates. Most members this year are third- and second-year students. This has allowed for members to gain valuable experiences with the assistance of the Student Development Committee's (SDC) funding.

The first event the DMKC participated in was the Western Inter-University Geoscience Conference, which was hosted in Saskatoon in January. The DMKC sent 21 students who were able to participate in technical talks, industry-led discussions, short courses and networking events. This event allowed for members to network with industry professionals and other students from various universities across Western Canada.

The AME Round Up conference in Vancouver was also hosted in January. The DMKC sent six members to this conference which allowed for them to participate in technical talks, network with industry professionals and other students and learn about Indigenous representation within the industry of geoscience.

In March, students had the opportunity to attend the Prospectors and Developers Association of Canada (PDAC) conference in Toronto. Seven students were able to participate in professional development events, attend technical talks and network with industry professionals.

This conference showcased various projects and research being done around the globe, which allowed our members attending to learn about various industries within geoscience including geology, engineering and business.

These conferences allow for our members to gain valuable experience outside the classroom and network with employers and other students across Canada. Without funding from the SDC, our members would be unable to attend the conferences.

Unfortunately, March is when the COVID-19 lockdown measures began to occur. This meant our year-end banquet and earth ring ceremony were subsequently postponed and eventually cancelled. This trend continued into the fall semester where our annual meet and greet was cancelled, followed by our Halloween Bowl-o-Rama event.

November marked our first virtual event, which was the fifth annual Student Industry Geoscience Roundtable event. This event typically is hosted at the University of Regina in person, but due to COVID-19 the change to a virtual format was made.

This event allows for students to learn about the possible careers within the various geoscience industries. This year we had speakers from the Saskatchewan Geological Survey, Baffinland Mine, the University of Regina and Cameco present at our event.

This event is a great experience for students to learn about possible careers and network with industry professionals. Without funding from the SDC, this event would not be possible.

APEGS and the SDC provide funding to our club and allow our members to further their studies outside the classroom and gain valuable knowledge that normally would not be available to them. This funding provides the opportunity to allow our members to expand their geologic knowledge beyond the classroom and make valuable contacts to further their careers.

APEGS provides resources and advice to assist becoming a professional geoscientist. The funding received from them allows students to experience geology outside the classroom that they typically would not be exposed to. The SDC helps students in our faculty of geology/geoscience to become great geoscientists with experiences and knowledge that can be brought into the workforce.

On behalf of our club members, faculty members and the executive of the D.M. Kent Club of Geology, we would like to extend our profound appreciation for the continued support from APEGS and the SDC for this past academic year and for future years of support to our program.

Respectively submitted,

Lane Phillips
President

Ore Gangue - University of Saskatchewan Geology Students

In 2020, the Ore Gangue Students Society was able to provide its members with fulfilling experiences throughout most of the year.

The Ore Gangue exists to provide academic support, professional development opportunities and social engagement for the students in the University of Saskatchewan's department of Geological Sciences.

None of these things could have been possible without the tremendous support and generosity APEGS has provided the Ore Gangue.

The year started with 31 students attending the 56th annual Western Inter-University Geoscience Convention (WIUGC). No travel was necessary as WIUGC was held in Saskatoon. This resulted in more attendance than in years past.

Students were able to take part in short courses, networking events, technical talks and an industry fair. The Ore Gangue was honoured with the chance to make up the entirety of the executive committee for the planning and execution of WIUGC. As a result, we were able to have four Ore Gangue members present to the conference, as well as have our very own Mr. Pokopiuk give the keynote address. None of this would have been possible without the support of APEGS.

At the end of January, five students were able to attend the Association of Mineral Exploration Roundup 2020 Conference, which is held in Vancouver annually. This conference gave students the opportunity to network with industry professionals within the mining industry and mineral exploration sectors. Students also attended technical talks geared towards new developments and trends in mineral deposits from around the world, as well as give a technical talk.

The Prospectors and Developers Association of Canada 2020 Convention (PDAC) was held in the first week of March. Sixteen Ore Gangue student members attended this conference. PDAC is known to be the world's premium mineral exploration and mining conference. This conference created opportunity for students to attend world-class technical talks, industry fair, student specific networking events and the opportunity to network with hundreds of industry professionals.

Unfortunately, due to the global pandemic, the Ore Gangue was unable to hold its annual year-end banquet. Due to the ever-changing situation of the virus and its extremely contagious nature, the event was cancelled for safety reasons.

No events were held in the fall semester of 2020 for safety reasons, as a result of the pandemic.

The Ore Gangue would like to thank APEGS and the Student Development Committee (SDC) for the financial and interpersonal support throughout the

years. Their ongoing efforts have allowed our students to experience a level of professional development that will continually enhance their undergraduate career. Your hard work and efforts have provided students a huge platform to thrive in academic and social settings.

The entire Ore Gangue Students Society is beyond grateful for the past, present and future support that APEGS and SDC have provided us.

Respectfully submitted,

Tyler Hnatiuk
APEGS Representative

2020 Financial Report

This is a summary of the unaudited Consolidated Statement of Revenues and Expenditures of the Association to December 31, 2020. The Auditor's Report will be available at the 91st Annual Meeting on May 1, 2021.

Total revenues decreased to \$6,694,263 in 2020, which was two per cent lower than 2019, but 4.9 per cent higher than budgeted.

Total expenditures in 2020 were \$5,324,652, which, as a result of changes to operations and activities due to COVID-19, was \$2,019,496 (27 per cent) less than budgeted. The 2020 budget forecast a deficit of \$962,348; however, the result was pre-audit projected surplus of \$1,369,611. Note that the pre-audit surplus is subject to adjustments and is expected to be slightly lower.

The pre-audit estimate of total members' equity at year-end is \$12,978,190 and consisted of the projected surplus of \$1,369,611, retained earnings of \$7,320,079, a working capital reserve of \$3,488,501 and a discipline and enforcement reserve of \$800,000.

As a result of changes to operations and activities resulting from the COVID-19 pandemic, particularly reduced travel and in-person meetings, expenditures were substantially less than budgeted and less than experienced for 2019. Overall, expenditures were only 72.5 per cent of budgeted, broken down as follows:

Operations – 87.22 per cent of budgeted.

Council and Committees – 35.36 per cent of budgeted.

Executive Committee – 45.97 per cent of budgeted.

Governance Board and Committees – 37.53 per cent of budgeted.

Education Board and Committees – 78.46 per cent of budgeted.

Image and Identity Board and Committees – 52.37 per cent of budgeted.

The Association continues to follow the strategic budgeting principles of periodic fee increases coupled with multi-year budget surpluses followed by an equal and offsetting quantity of budget deficits. The Audit Committee is pleased to report that the financial planning and management of your Association continues to be sound.

Respectfully submitted,

Andrew Lockwood, P.Eng., FEC
Chair

Balance Sheet

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF SASKATCHEWAN

December 31, 2020 (unaudited)

ASSETS

Current Assets:

Bank Operating Account	\$3,677,581.98
RBC Dominion Securities Acct	16,590.00
RBC Investment Savings/Money Market Acct	4,016,668.42
Petty Cash	265.00
Investments	8,758,162.69
Accrued Interest	4,124.86
Accounts Receivable	(1,948.93)
Prepaid Expenses	167,451.34
Total Current Assets	<u>\$16,638,895.36</u>

Fixed Assets

Office Equipment	\$314,484.53
Accumulated depreciation	<u>248,564.28</u>
Net Office Equipment	<u>\$65,920.25</u>
Computer Equipment	\$179,483.36
Accumulated depreciation	<u>152,067.61</u>
Net Computer Equipment	<u>\$27,415.75</u>
Leasehold Improvements	\$1,288,375.00
Accumulated amortization	<u>876,605.06</u>
Net Leasehold Improvements	<u>\$411,769.94</u>
Other Intangible Asset	\$1,036,471.81
Accumulated amortization	<u>600,906.36</u>
Net Intangible Asset - Membership Database	<u>\$435,565.45</u>
Total Fixed Assets and Intangible Asset	<u>940,671.39</u>
Total Assets	<u><u>\$17,579,566.75</u></u>

LIABILITIES AND MEMBERS' EQUITY

Current Liabilities:

Accounts Payable & Accrued Liabilities	\$116,624.01
Accrued Vacations	121,128.48
Goods & Services Tax Payable	165,239.13
Prepaid Annual Dues	<u>4,198,385.00</u>
Total Current Liabilities	<u>\$4,601,376.62</u>

Members' Equity:

Rserve	\$4,288,501.00
Retained Earnings	7,320,078.54
Surplus/(Deficit) for period	<u>1,369,610.59</u>
Total Members Equity	<u>\$12,978,190.13</u>
Total Liabilities & Members' Equity	<u><u>\$17,579,566.75</u></u>

Consolidated Statement of Revenue and Expenditures

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF SASKATCHEWAN

for the Period Ended December 31, 2020 (unaudited)

	TO DATE 2020	BUDGET 2020	% OF BUDGET	ACTUAL 2019
<i>Revenues</i>				
Membership Dues	\$4,869,946.85	\$4,619,200.00	105.43	\$4,786,926.72
Licence Dues	13,479.17	12,000.00	112.33	12,337.50
Certificate of Authorization	742,449.93	712,000.00	104.28	730,966.62
Registration Fees	560,680.00	521,000.00	107.62	620,500.00
Late Payment Surcharges	9,675.75	8,000.00	120.95	11,445.00
Advertising (Newsletter and Website)	19,010.00	38,000.00	50.03	40,350.00
Interest	222,870.01	200,000.00	111.44	274,763.37
Miscellaneous	1,801.31	2,000.00	90.07	1,452.39
Other Revenue	0.00	0.00	0.00	200.00
Professional Practice Exam & Seminar	152,731.88	137,600.00	111.00	145,531.77
Member Seal Fees	9,799.51	10,000.00	98.00	13,185.12
Professional Development Day	91,818.12	100,000.00	91.82	144,023.82
Association Functions	0.00	4,000.00	0.00	5,100.04
Self-Regulating Working Group	0.00	18,000.00	0.00	46,700.00
Total Revenues	<u>\$6,694,262.53</u>	<u>\$6,381,800.00</u>	104.90	<u>\$6,833,482.35</u>
<i>Expenditures</i>				
Executive Committee				
Executive Committee	\$13,297.18	\$24,900.00	53.40	\$19,312.69
Liaisons	7,028.12	86,750.00	8.10	85,624.97
Government Relations	2,210.63	71,100.00	3.11	69,715.57
UofS/UofR Activities	912.20	15,750.00	5.79	16,492.45
Provincial Meetings	0.00	38,600.00	0.00	13,188.42
Elections	9,866.29	15,625.00	63.14	14,118.41
Annual Report	7,910.80	13,000.00	60.85	12,745.94
Engineers Canada	179,073.19	207,375.00	86.35	180,669.34
Geoscientists Canada	41,396.50	78,675.00	52.62	37,582.04
30 x 30 Task Group	0.00	0.00	0.00	2,959.72
Self-Regulating Working Group	0.00	17,535.00	0.00	48,632.92
Total Executive Committee	<u>\$261,694.91</u>	<u>\$569,310.00</u>	45.97	<u>\$501,042.47</u>

	TO DATE 2020	BUDGET 2020	% OF BUDGET	ACTUAL 2019
Council & Committees				
Council Meetings	\$71,390.12	\$209,250.00	34.12	\$201,134.53
Governance Change Project	\$55,600.00	\$136,000.00	40.88	\$0.00
Investigation Committee	47,161.26	95,700.00	49.28	126,556.77
Discipline Committee	2,842.76	42,950.00	6.62	18,548.73
Enforcement	786.51	18,842.00	4.17	14,993.69
Total Council	<u>\$177,780.65</u>	<u>\$502,742.00</u>	35.36	<u>\$361,233.72</u>
Operations				
Salaries	\$2,340,035.21	\$2,520,000.00	92.86	\$2,377,534.90
Fixed Asset Purchases	2,407.44	2,500.00	96.30	2,514.62
Depreciation	240,873.79	280,000.00	86.03	265,950.27
Occupancy Costs	646,335.60	675,000.00	95.75	640,475.88
Professional Fees	29,895.71	283,000.00	10.56	60,409.93
Telephone	19,136.26	14,145.00	135.29	9,720.03
Other Operations Costs	511,360.45	570,690.00	89.60	572,714.34
Total Operations	<u>\$3,790,044.46</u>	<u>\$4,345,335.00</u>	87.22	<u>\$3,929,319.97</u>
Governance Board & Committees				
Governance Board	\$1,106.35	\$21,600.00	5.12	\$2,005.82
Legislative Review Committee	0.00	200.00	0.00	149.00
CPD Compliance Committee	10,466.40	16,700.00	62.67	3,451.75
UofS/UofR Career Days	400.00	2,700.00	14.81	1,913.78
CEAB/CEQB Meetings	0.00	7,700.00	0.00	3,476.81
Experience Review Committee	34,826.09	60,700.00	57.37	84,925.69
Academic Review Committee/Interviews	72,620.68	174,100.00	41.71	199,006.82
Prof. Practice Exam Com./Seminar & Exam	55,068.23	170,260.00	32.34	164,315.63
Licensee Admissions Committee	114.04	11,300.00	1.01	6,356.33
Total Governance Board	<u>\$174,601.79</u>	<u>\$465,260.00</u>	37.53	<u>\$465,601.63</u>

Consolidated Statement of Revenue and Expenditures continued

TO DATE	BUDGET 2020	% OF 2020	ACTUAL BUDGET	2019
Education Board & Committees				
Education Board				
Environment and Sustainability Committee	1,591.69	6,100.00	26.09	5,184.77
Professional Development Committee	177,539.59	184,386.00	96.29	235,728.32
Student Development Committee	133,990.37	214,450.00	62.48	192,750.32
K to 12 Committee	30,303.70	56,350.00	53.78	54,969.82
Scholarships and Bursaries	95,800.00	95,800.00	100.00	82,975.00
Total Education Board	<u>\$466,447.21</u>	<u>\$594,496.00</u>	78.46	<u>\$625,449.91</u>
Image & Identity Board				
Image & Identity Board	\$492.75	\$7,250.00	6.80	\$15,284.07
Communications and Public Relations Committee	218,561.73	288,400.00	75.78	202,196.01
Connection and Involvement Committee	65,901.31	272,580.00	24.18	238,177.13
Awards Committee	145.45	2,700.00	5.39	1,536.68
Professional Edge Committee	147,290.14	267,175.00	55.13	260,208.71
Equity and Diversity Committee	21,691.54	28,900.00	75.06	26,849.93
Total Image & Identity Board	<u>\$454,082.92</u>	<u>\$867,005.00</u>	52.37	<u>\$744,252.53</u>
Total Expenditures	<u>\$5,324,651.94</u>	<u>\$7,344,148.00</u>	72.50	<u>\$6,626,900.23</u>
Less Unrealized (Loss) on Investments	0.00	0.00	0.00	0.00
Total Expenditures	<u>\$5,324,651.94</u>	<u>\$7,344,148.00</u>		<u>\$6,626,900.23</u>
Surplus (Deficit)	<u>\$1,369,610.59</u>	<u>-\$962,348.00</u>		<u>\$206,582.12</u>

Investments and Cash Funds

RBC DOMINION SECURITIES INC.

Month Ending December 2020

COMPANY	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
B2B Trust GIC - Annual (1.860% Annual Yield)	160830-B06838	Aug 30/16	Aug 30/21	1.860%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC Annual (1.7% Annual Yield)	160830-B069D3	Aug 30/16	Aug 30/21	1.700%	\$100,000.00	\$100,000.00
CICI Bank GIC - Annual (1.8% Annual Yield)	160830-B0689A	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
Versabank GIC - Annual (1.8% Annual Yield)	160830-B0694B	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
SBI Canada Bank GIC - Annual (1.870% Annual Yield)	160830-B067E2	Aug 30/16	Aug 30/21	1.870%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (1.700% Annual Yield)	160906-B07EAF	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
RBC Mortgage Corp GIC - Annual (1.700% Annual Yield)	160906-B07F54	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Royal Trust Company GIC - Annual (1.700% Annual Yield)	160906-B080D4	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Royal Trust Corp GIC - Annual (1.700% Annual Yield)	160906-B0806E	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Peoples Trust GIC - Annual (1.800% Annual Yield)	160906-B07DF1	Sept 6/16	Sept 7/21	1.800%	\$100,000.00	\$100,000.00
Home Trust Company GIC - Annual (1.900% Annual Yield)	160929-B11185	Sept 30/16	Sept 30/21	1.900%	\$100,000.00	\$100,000.00

Investments and Cash Funds continued

Month Ending December 2020

COMPANY	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
Royal Bank of Canada GIC - Annual (1.800% Annual Yield)	170905-B0C21C	Sept 5/17	Sept 6/22	1.800%	\$400,000.00	\$400,000.00
CND Western Trust GIC - Annual (2.500% Annual Yield)	170905-B0C2FF	Sept 5/17	Sept 5/22	2.500%	\$100,000.00	\$100,000.00
Equitable Bank GIC - Annual (2.530% Annual Yield)	170905-B0C362	Sept 5/17	Sept 6/22	2.530%	\$100,000.00	\$100,000.00
General Bank of CDA GIC - Annual (2.250% Annual Yield)	170905-B0C299	Sept 5/17	Sept 6/22	2.250%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (1.800% Annual Yield)	171002-B144DF	Oct 3/17	Oct 3/22	1.800%	\$800,000.00	\$800,000.00
Nat'l Bank of Canada GIC - Annual (1.800% Annual Yield)	171002-B144D6	Oct 3/17	Oct 3/22	1.800%	\$200,000.00	\$200,000.00
Bank of Nova Scotia GIC - Annual (2.910% Annual Yield)	1809404-B18A76	Sept 5/18	Sept 5/23	2.910%	\$1,000,000.00	\$1,000,000.00
Bank of Montreal GIC - Annual 2.85% Annual Yield)	180927-B08AA7	Sept 27/18	Sept 27/23	2.850%	\$800,000.00	\$800,000.00
Canadian Tire Bank GIC - Annual (3.050% Annual Yield)	180927-B084E2	Sept 27/18	Sept 27/23	3.050%	\$100,000.00	\$10,000.00
Natcan Trust Company GIC - Annual (2.850% Annual Yield)	180927-B085CD	Sept 27/18	Sept 27/23	2.850%	\$100,000.00	\$10,000.00
HomeEquity Bank GIC - Annual (2.350% Annual Yield)	190829-B05794	Aug 29/19	Aug 29/24	2.350%	\$100,000.00	\$100,000.00
LBC Trust GIC - Annual (2.160% Annual Yield)	190829-B058EE	Aug 29/19	Aug 29/24	2.160%	\$100,000.00	\$100,000.00

COMPANY	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
PC Bank GIC - Annual (2.150% Annual Yield)	190829-B05F7D	Aug 29/19	Aug 29/24	2.150%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (2.030% Annual Yield)	190903-B0C9D1	Sept 3/19	Sept 3/24	2.030%	\$500,000.00	\$500,000.00
BMO Mortgage Corp GIC - Annual (2.020% Annual Yield)	190903-B0C4F6	Sept 3/19	Sept 3/2	2.020%	\$100,000.00	\$100,000.00
Effort Trust GIC - Annual (2.10% Annual Yield)	190903-B0C39F	Sept 3/19	Sept 3/24	2.100%	\$100,000.00	\$100,000.00
Bank of Montreal GIC - Annual (2.370% Annual Yield)	191223-B0C2B3	Dec 23/19	Dec 23/24	2.370%	\$700,000.00	\$700,000.00
DUO Bank Canada GIC - Annual (1.26% Annual Yield)	200901-B172E0	Sep 1/20	Sep 2/25	1.260%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (1.050% Annual Yield)	200903-B1683D	Sep 3/20	Sep 3/25	1.050%	\$1,200,000.00	\$1,200,000.00
CND Western Bank GIC - Annual (1.1% Annual Yield)	200903-B15331	Sep 3/20	Sep 3/25	1.100%	\$100,000.00	\$100,000.00
Laurentian Bank GIC - Annual (1.14% Annual Yield)	200903-B15E70	Sep 3/20	Sep 3/25	1.140%	\$100,000.00	\$100,000.00
Manulife Bank CDA GIC - Annual (1.00% Annual Yield)	200903-B15816	Sep 3/20	Sep 3/25	1.000%	\$100,000.00	\$100,000.00
Manulife Trust Co. GIC - Annual (1.000% Annual Yield)	200903-B159AC	Sep 3/20	Sep 3/25	1.000%	\$100,000.00	\$100,000.00

Investments and Cash Funds continued

Month Ending December 2020

COMPANY	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
Montreal Trust CDA GIC - Annual (1.050% Annual Yield)	200903-B14FAE	Sep 3/20	Sept 3/25	1.050%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (0.950% Annual Yield)	201217-B150C4	Dec 17/20	Dec 17/25	0.950%	\$400,000.00	\$400,000.00

TOTAL INVESTMENTS	\$8,700,000.00
ROYAL BANK CURRENT ACCOUNT	\$3,677,581.98
RBC DOMINION ACCOUNT	\$16,590.00
RBC INVESTMENT SAVINGS ACCOUNT	<u>\$4,017,969.89</u>
TOTAL INVESTMENTS & CASH BALANCES	<u><u>\$16,412,141.87</u></u>

2019 - 2020 APEGS Volunteers

Thank you to our volunteers!

APEGS depends on contributions of more than 300 volunteers who carry out the functions of our committees and assist with special projects and events.

These are people who take time out of their busy schedules to donate their time and talents for the benefit of public safety and the advancement of our professions.

Please join us in thanking all of these dedicated individuals.

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Leo Niekamp, FEC, P.Eng.
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O-P

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Matthew Swedburg, P.Eng.

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Ondiveerapan Thirunavukkarasu, P.Eng.
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Misty Urbatsch, P.Geo.
Veto Varma, P.Eng.
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Engineer-In-Training
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W

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Ross Welford, P.Eng.

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Jason Wilkinson, P.Eng.
Andrea Wong, P.Eng.
Connor Wright, P.Eng.
Jarett Wright, P.Eng.
William Wright, P.Eng.
Peng Wu, P.Eng.

X-Z

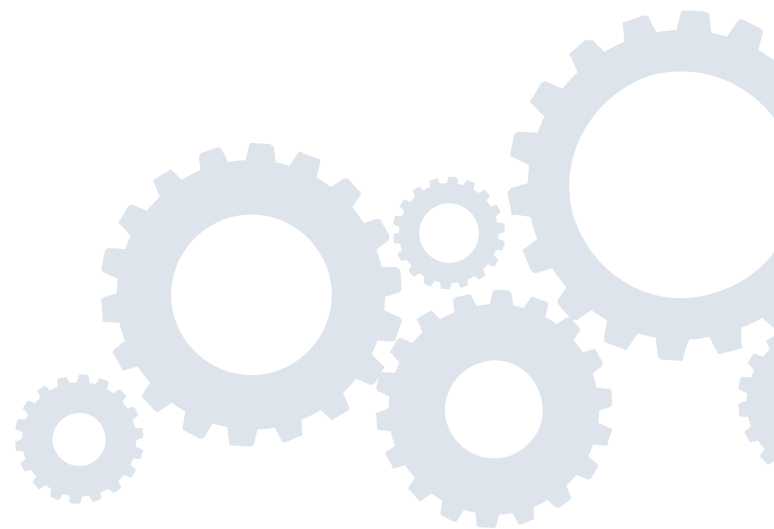
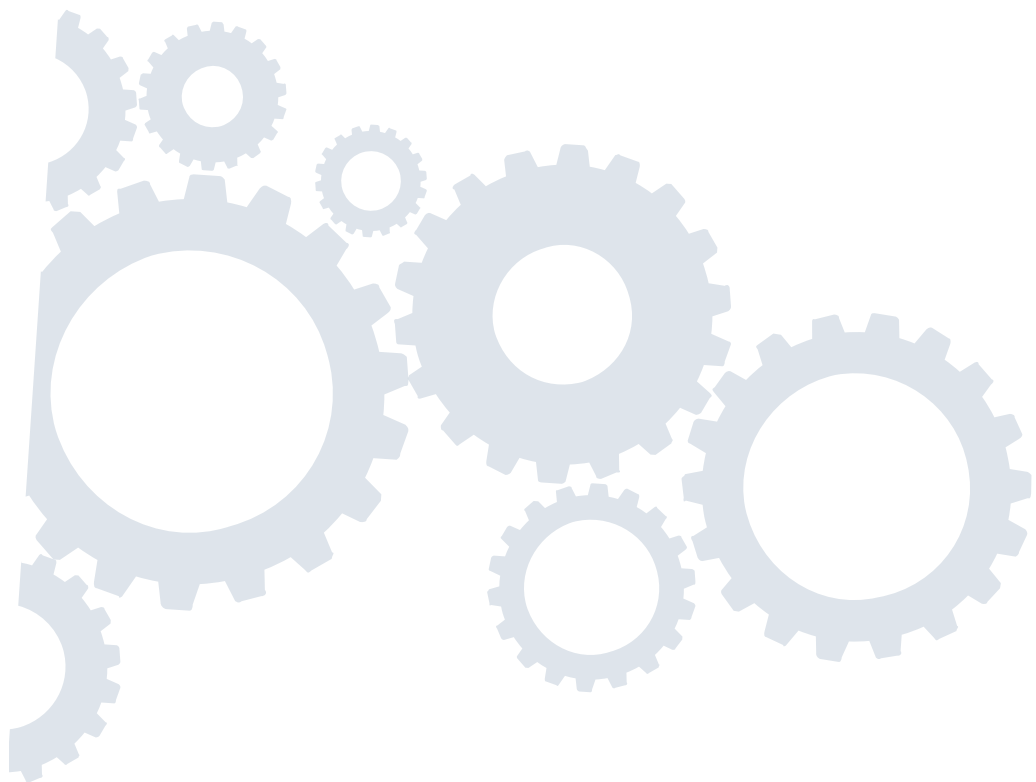
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*Association of Professional Engineers
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4581 Parliament Avenue, Suite 300
Regina Saskatchewan
S4W 0G3

T: 306.525.9547
F: 306.525.0851
Toll Free: 800.500.9547

www.apegs.ca
