



A P E G S

Association of Professional Engineers
& Geoscientists of Saskatchewan



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President's Report

As I sit here writing my President's Report for the 2012-13 APEGS Annual Report, I can't help but be amazed at how quickly the year has flown by. With the combination of activities through our Association, the fun of being relatively new in my position with my employer, the work associated with getting a business going, and the never-ending flurry of activity on the home front, it's no wonder that the year has seemed like a blur.

I have been asked multiple times over the past few months why I would volunteer to get involved as the president of APEGS. The answer is simple: "It is an honour to be able to serve the professions that have given so much to me and my family."

Sometimes I think that my family may debate that comment when I disappear for weeks at a time for various work assignments or association events. But as a result of my work and volunteer activities, I have met some very good friends across the country. And I have had the opportunity to work with some excellent engineers and geoscientists, be it on projects for my day job or on the activities of APEGS and our sister associations across the country.

At the risk of scaring off volunteers who may be considering running for Council, I thought it might be valuable to give you a sense of a "Year in the Life of an APEGS President." It started a week after our Annual Meeting in May 2012 with a trip to the Professional Engineers Ontario Annual Meeting. This was promptly followed by Engineers Canada and Geoscientists Canada Annual Meetings in June. We had a week of activities surrounding the PNWER (Pacific NorthWest Economic Region) meetings in Saskatoon in July. The fall brings a trip to Annual Meetings in Nova Scotia, Manitoba (thanks, Dwayne, for covering that one) and British Columbia along with an Engineers Canada board meeting. And the start of the year has the New Brunswick and Alberta Annual Meetings, along with one more Engineers Canada board meeting. Sprinkle in there five regular APEGS Council Meetings, eight to ten APEGS Executive Committee meetings, board and committee meetings, our annual MLA reception and a few other events along the way. One rapidly realizes why, at the end of a term as president, there is a look of relief but also a look of regret as you realize that your year is over.

As a graduate of the University of Saskatchewan College of Engineering, this was a special year to be president. 2012 marked the 100th anniversary of the college. Celebrations included a reunion attended by more than 500 graduates of the college and their guests, an Iron Ring Renewal Ceremony

and tours of various engineering projects in Saskatoon. The highlight for me was the unveiling of a commemorative plaque at the top of the Broadway Bridge. The plaque, which honours the memory of C.J. MacKenzie — the first dean of the college, the first president of what was then APES (Association of Professional Engineers of Saskatchewan), a City of Saskatoon councillor and the designer of the Broadway Bridge — was unveiled by His Worship Don Atchison, Mayor of Saskatoon, Dr. Ernie Barber, Dean of the College of Engineering, and myself. The plaque will help to remind the residents of Saskatoon and the province of the tremendous contributions made to society by engineers and geoscientists.

On the local stage, this year we again invited the Chairs of the various APEGS committees to attend the Council orientation session held in Moose Jaw. This session provides an opportunity for the newly elected councillors to gain an understanding of their responsibilities as elected members of the Council. It also gives the volunteer Chairs of our committees an opportunity to see how the work of their committees affects the workings of the Association. The Connection and Involvement Committee organized our second annual Volunteer Appreciation Day in Moose Jaw in the fall, and the Professional Development Committee organized another very successful professional development session. We also had the opportunity to meet with our minister and other elected officials at various events around the province.

As I noted in one of my messages in the *Edge*, for the first time membership in our Association topped 10,000. This is compared to approximately 5,000 members in 2005. The accelerated growth in our membership preceded the acknowledgement by many of the rapid economic growth that we have been experiencing in our province. In 2012, our growth in membership was in excess of 12.9 per cent. But while we have experienced this increase in growth, our Association continues to ensure that we are providing effective regulation of the professions of engineering and geoscience. We have been working with government and other stakeholders provincially and nationally to allow APEGS to provide the required service to our members, applicants and the public. Not that the growth hasn't presented some challenges, but our staff and our volunteers have been able to provide the services and effective regulation demanded of our Association.

As my predecessor, Peter Jackson, P.Eng., FEC, said in his report at this time last year, APEGS has a history of being on the right side of issues on the

national stage. Our staff and volunteers truly are respected and looked to for guidance on many national issues. Sandra Foster, P.Geo., FEC (Hon.), our board member on Geoscientists Canada, is chairing a task force looking at the definition of professional geosciences, and Greg Vogelsang, P.Eng., P.Geo. was elected as president-elect of Geoscientists Canada at the 2012 Annual Meeting. Rick Kullman, P.Eng., FEC is involved in multiple committees of the Engineers Canada board. And Dennis Paddock, P.Eng., FEC has actively participated in the steering committee for the development of the Canadian Framework for Licensure and will become Chair of the Engineers Canada CEO group in June 2013.

Engineers Canada has submitted a proposal to the federal government to take responsibility for evaluation of the academic credentials of foreign trained engineers. This will be a joint effort between Engineers Canada and all of the constituent associations across the country. The ultimate goal of this project is to allow immigrants to have their academic credentials evaluated before they immigrate to Canada, and to allow them to enter the workforce immediately upon arrival in Canada.

The Geoscientists Canada task force which was struck to study incidental practice (unlicensed practice) presented its final report at the Geoscientists Canada Annual Meeting in June. At that time, the report was received by the Geoscientists Canada board and a follow-up task force was created to develop a model bilateral agreement for use by constituent associations choosing to negotiate unlicensed practice.

Following the Geoscientists Canada meeting, the constituent associations in Alberta, British Columbia and Ontario struck a joint trilateral task group to develop an agreement among the three provinces to allow unlicensed practice among their respective members. APEGS continues to monitor this development and to evaluate the implications this may have on our professions in Saskatchewan.

At the end of Shawna Argue's term as president, we made a concerted effort, through the development of the ROCK.doc (Renewing Organize Clarify and Kick-off) to identify our key objectives for the next five years. The goals and objectives identified in our planning sessions were grouped as follows, along the line of our Association's statutory objects:

- Ensuring registration and compliance requirements are met.

- Promoting and improving the proficiency and competency of members.
- Proactively regulating the professions.
- Ensuring sustainability of the professions.
- Meeting the requirements of ongoing governance and operations.

It is acknowledged that many of the objectives and associated deliverables identified by Council and staff will be accomplished through ongoing operations of the Association. Executive Committee suggested that three additional (non-core) objectives should be identified as focus items for the 2012-2013 year. At the June 2012 meeting, Council and committee Chairs present were requested to identify the remaining two focus items for the upcoming year. Here were the results:

Top three deliverables for 2012-2013 (outside of core business), in priority:

- Strategic Goal #4 – Ensuring Sustainability of the Professions
- All associated objectives (related to communications and outreach)
- Strategic Goal #5 – Meeting the Requirements of Ongoing Governance and Operations
- Objective (b) – Enhance/improve volunteer management
- Strategic Goal #2 – Promote and Improve the Proficiency and Competency of Members
- All associated objectives (related to professional development)

These strategic priorities are being addressed by our staff and our volunteer committees. Key performance indicators have been developed for each of these priorities and the results are presented elsewhere in this report. I want to say a special thank you to Patti Kindred, P.Eng., FEC for all of her efforts to keep this initiative focused and on the minds of Council at each meeting.

Thank you for the opportunity to serve as your president over this past year. It is a humbling experience to be selected by the members of your professions to take on such a leadership role. I want to say a special thank you to my colleagues on Executive Committee – Peter Jackson, P.Eng., FEC, Past

Executive Director and Registrar

President; Dwayne Gelowitz, P.Eng., FEC, President-Elect; Andrew Loken, P.Eng., FEC, Vice-President – for your support and all of your hard work. To our amazing staff, thank you for everything you do, under sometimes stressful conditions, to provide a high level of service to our members, our applicants and the public. Thank you to the many volunteers who make the job of Council so much easier.

And finally, and most importantly, thank you to my wife, Susanne, and my sons, Cody and Austin, for your support that allows me to take on this role while trying to balance work and home responsibilities. Without your support, none of this would have been possible.

Respectfully submitted,

Leon Botham, P.Eng.
President

The number of APEGS members and licensees grew by 12.9 per cent during 2012. This is a positive sign for the Saskatchewan economy because our members and licensees have a large influence on economic growth.

Registration

The Membership Statistics table at the end of this report lists the net outcome of all registration activities. It does not capture the number of inquiries, the number of applications or the number of files in the midst of being processed. The two Association committees with the heaviest workload are the Experience Review Committee and the Academic Review Committee. The number of members-in-training who are reporting work experience increased in 2012 and the number of international engineering graduate applicants continued to grow. Activity in the permission to consult and Certificate of Authorization areas also increased in 2012.

Canadian Framework for Licensure

Under the auspices of Engineers Canada, the constituent associations (CAs) are working on developing the Canadian Framework for Licensure (CFL). This is an initiative to develop foundational documents which can be used by the CAs as a guide to consistent regulatory policies and practices. Developed through a comprehensive analysis and national consultation process, these documents outline the elements of a framework for regulation of our professions. The framework currently has over 30 elements in various stages of development. An example of an element is corporate registration: it is called either a Certificate of Authorization or a Permit and it is administered differently in each CA. The CFL element would adopt a common title and administration protocol. The CFL is not intended to be a “model Act,” and is intended to allow flexibility for CAs to implement individual Act and regulatory changes on their own timetable.

Immigration Policy and Academic Review

In late 2012, the federal government announced a change in immigration policy. The federal government wants to develop a pool of skilled workers who are ready to begin employment in Canada as soon as they arrive. To

accomplish this, the government wants the academic preparation of international engineering graduates to be assessed before they come to Canada. This will require a change in the current academic assessment process used by the CAs. Engineers Canada has submitted a proposal to the federal government that would have Engineers Canada assume a coordinating role as a processing centre, with the expert assessors at the CAs continuing to conduct the academic assessments. The new academic assessment system must: be fair and equitable to the applicant; be timely; not be unduly burdensome or create barriers to the professions; and, effectively protect the Canadian public. This change could have a profound impact on APEGS' current academic assessment process. At the end of 2012 it was still too early to assess what that impact might be.

Unlicensed Practice

Last year I reported that Geoscientists Canada had an Incidental Practice Task Force (IPTF) investigating a scheme that would facilitate practising in a jurisdiction for a period of time without becoming licensed. The IPTF reported to the Geoscientists Canada Annual Meeting in June 2012 and half the CAs did not support the concept. At the November Geoscientists Canada meeting, the associations in Ontario, Alberta and British Columbia announced that they were in discussions aimed at establishing an incidental practice scheme for geoscientists. If such a scheme is implemented, it will be very problematic for APEGS as it could lead to an increase in enforcement activity. Your Council does not support any scheme that facilitates or condones unlicensed practice.

Reporting Continuing Professional Excellence (CPE) Activity

Currently it is not mandatory for APEGS members to report their CPE activities to APEGS, but members are encouraged to report. We have taken steps to facilitate reporting online and will continue to improve our online reporting capability. There are discussions occurring nationally that could result in being exempt from reporting CPD (CPE) activities in host jurisdictions if you are reporting those activities in your home jurisdiction. Interassociation mobility could lead to mandatory reporting of CPE activities. Your Council is monitoring developments and favours our current reporting system. I would encourage all members to promptly report their CPE activities if they are not already doing so.

Membership Statistics

MEMBERSHIP CATEGORY	2011	2012	CHANGE	% CHANGE
Professional Engineers	5,569	6,566	997	17.9%
Professional Geoscientists	460	585	125	27.1%
Engineers-in-Training	1,391	1,565	174	12.5%
Geoscientists-in-Training	136	152	16	11.7%
Geoscience Licensees	5	5	0	0.0%
Engineering Licensees	17	26	9	52.9%
Temporary Licensees	64	80	16	25.8%
Licence Requirement Waived (P.Eng./P.Geo./Members-in-Training)	930	813	(117)	(12.5%)
Life Members (P.Eng. & P.Geo.)	673	650	(23)	(3.4%)
# of Members/Licensees	9,245	10,442	1,197	12.9%
Resignations	183	297	114	62.3%
Permission to Consult	522	664	142	27.2%
Certificates of Authorization	812	992	180	22.1%

Brackets indicate (decrease)

The Saskatchewan economic boom has been mirrored in the growth of our membership: 2005 (+5.7%), 2006 (+6.5%), 2007 (+7.5%), 2008 (+9.7%), 2009 (+10.6%), 2010 (+5.9%), 2011 (+9.7%), and 2012 (+12.9%).

Database/New Website/Online Services

Work was completed on our original AMSoft database contract and additional add-on features have been identified and prioritized. A new website is currently under development and will be completed in 2013. This will allow the website to be viewed in different formats using different devices. Additional online services were added in 2012, allowing members to now pay dues, update their contact information, report CPE activity, register and pay for events and make various applications along with payment of the application fee.

Investigation Committee

Office Accommodations

With the growth in our membership comes the need to grow the staff. We are at capacity in our current office location and have hired a consultant to review our space requirement needs. Council has also established a Budget Surplus Task Group to study the current budget surpluses and to make recommendations to Council that would improve public safety and enhance service levels. One option the TG will have to consider is a larger office for the Association.

Throughout 2012 our volunteers and staff represented our professions at a wide variety of national, government, public, university, geoscience and engineering functions. These functions provided an excellent opportunity to further the Association's mandate of protecting the public. APEGS continued with the practice of holding an annual MLA Reception, holding its 13th annual reception during the 2012 fall legislative session. This provided an excellent opportunity for politicians to meet engineering and geoscience professionals and to discuss issues relevant to Saskatchewan and our professions.

I thank all members who volunteered their time during 2012 in support of our professions. I especially thank President Leon Botham, P.Eng., Executive Committee, Council and my staff for their strong support throughout the year.

Respectfully submitted,

Dennis K. Paddock, P.Eng., FEC, FCSSE, FCAE
Executive Director and Registrar

Under *The Engineering and Geoscience Professions Act* and its bylaws, APEGS has the responsibility and authority to investigate complaints alleging professional misconduct or professional incompetence of its members, licensees, or holders of a Certificate of Authorization. APEGS maintains separate Investigation and Discipline Committees that operate independently of each other and independent of the APEGS Council.

The Investigation Committee can only initiate an investigation when requested by the Council or when it receives a written complaint alleging that a member's conduct constitutes professional misconduct or professional incompetence. The investigation process involves gathering, examining and weighing evidence from a variety of sources. Upon completion of its investigation, the committee documents its findings and recommendations. This written report may conclude that the matter be forwarded to the Discipline Committee for a hearing or it may recommend that no further action be taken. Complainants may request that Council review a recommendation of the committee that no further action be taken. Council may confirm the committee's decision or it may refer the matter back to the committee to investigate the matter further or to prepare a written report recommending that the Discipline Committee hear and determine a formal complaint.

The Investigation Committee met seven times throughout 2012. Four cases were carried forward from 2011. Five new complaints were brought to the committee in 2012. During 2012, the committee closed five cases with the recommendation that no further action be taken. As at January 1, 2013, four case files remained under investigation.

The Investigation Committee must consist of at least nine APEGS members appointed to the committee by Council to serve for a three-year term and one Public Appointee. Appointments may be extended to include a second consecutive term. I wish to thank all committee members for their ongoing participation and contributions.

The Investigation Committee also continues to receive invaluable support from Lyle Jones, P.Eng., LL.B., legal counsel to the committee, and from the staff at the APEGS office.

Respectfully submitted,

John Fahlman, P.Eng., P.Geo.,
Chair

Discipline Committee

Under 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 or not such conduct constitutes professional misconduct or professional incompetence. Where 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.

The Act requires that the Discipline Committee receive closing reports from the Investigation Committee upon closure of an investigation that does not result in a formal complaint being made to the Discipline Committee. In 2012, the Chair of the Discipline Committee received five such reports. There were formal complaints made to the Discipline Committee.

The Discipline Committee experienced a relatively significant turnover during the last two years and an absence of hearings. As a result, one of the areas of focus for the committee was to develop and provide training opportunities for committee members in preparation for the delivery of formal hearings should they become necessary. The committee has met on two occasions in 2012.

Finally, I would like to thank our support staff, Patti Kindred, P.Eng., and Ron Pearson, P. Eng., for their commitment and involvement in the discipline process during 2012. I would like to provide special recognition to Debbie Rolfes, our long-standing Public Appointee to the committee, who continues to serve a very significant role within our committee.

Respectfully submitted,

Douglas R. Kelly, P. Eng.
Chair

Governance Board

The work of the Governance Board is vital to the fulfillment of the APEGS mandate and statutory objects to protect the public by ensuring high standards of engineering/geoscience practice and education and by setting high standards for admission into the professions.

The Governance Board administers and regulates the practice of engineering and geoscience in accordance with *The Engineering and Geoscience Professions Act* and bylaws. Among its duties, the board interprets and administers APEGS policies on registration, corporate practice and related matters concerning responsible self-governance. It also makes recommendations to the APEGS Council regarding changes to existing policy and the development of new policies in those areas.

The board promotes an understanding of the practice and scope of engineering and geoscience among employers, government and the public. It also provides a clear, consistent and equitable process for identifying and registering engineers and geoscientists qualified to work in Saskatchewan.

The board functions through a number of committees made up of volunteers from the APEGS membership. The Academic Review, Experience Review, Licensee Admissions, Professional Practice Exam, Registrar's Advisory and Legislative Liaison Committees report to the Governance Board. The board is chaired by the APEGS president and consists of the Chairs and Liaison Councillors from these six committees. The APEGS representative to the Saskatchewan Construction Panel also sits on the board.

Over the past few years, APEGS has seen an almost exponential growth in the number of applicants for membership and registration. The committees of the Governance Board, in particular the Academic Review Committee and the Experience Review Committee, have experienced significant growth in their workloads as a result of this increase in applications. To ensure that applications are dealt with by our Association in a timely manner, the committees have recruited new volunteers and streamlined their processes to facilitate dealing with the increased workload. I want to specifically express my sincere appreciation to this dedicated group of volunteers that play a pivotal role in the function of APEGS.

Each of the following reports presents the details of the objectives, activities and accomplishments of the various committees that form the Governance Board. Thank you to the many volunteers who have generously given their

Academic Review Committee

time, talent and insights to those committees. And thank you to the many employers across this province who support their employees as they give back to our professions.

On behalf of the board, I also want to acknowledge and thank Tina Maki, P.Eng., FEC, APEGS Director of Registration, for her help in running the Governance Board this year, and in keeping me organized. I would also like to thank Dennis Paddock, P.Eng., FEC, Executive Director & Registrar, Kate MacLachlan, P.Geo., APEGS Director of Academic Review, Patti Kindred, P.Eng., FEC, APEGS Director of Education and Compliance, and the rest of the APEGS staff for helping with Governance Board activities.

Respectfully submitted,

Leon Botham, P.Eng.
Chair

Individuals who have graduated from an accredited Canadian university and are registered in another association in Canada or who otherwise fall under the Registrar's Acceptance List are quickly registered as a P.Eng., P.Geo., or as a member-in-training when they apply to be registered in Saskatchewan. However, there are many people who apply to APEGS for registration from abroad, who have degrees that are not known in Canada. It is the role of the Academic Review Committee (ARC) to review these applications and to determine if the applicants have the academic qualifications to be eligible for registration in Saskatchewan.

The assessment of applications referred to the ARC, particularly the engineering applications, can be time-consuming and complicated. However, the assessment is needed to determine if an applicant has a degree equivalent in breadth and depth to a Canadian degree and, if not, to identify any deficiencies in his or her program of study. Through the review process, the ARC advises applicants of any deficiencies and pathways forward to fulfill those deficiencies.

Even if the applicant does not have any deficiencies, or has fulfilled assessed deficiencies, they will usually be assigned three confirmatory exams. The confirmatory exams are intended to determine if the courses they took are at a level comparable to courses in Canada. The confirmatory exams may be waived if the applicant has five or more years of acceptable work experience as determined by the Experience Review Committee (ERC) or if they hold an M.Sc. or Ph.D. from an acceptable university, as determined by the ARC.

During 2012, the ARC reviewed 131 applications for engineering, compared to 102 in 2011. From these reviews, the ARC recommended 35 to the Registrar for registration. There were 76 applicants who were assigned confirmatory exams, and of those 44 were given the option to submit work experience reports to ERC to have the exams waived. There were 20 applications that involved the assignment or upholding of deficiency exams.

Ultimately, of all applications brought before the ARC, only two were denied. Numerous applications were brought to the ARC for the approval of courses, provision of exam or course results or request for review of previous ARC decisions.

In 2012, the ARC considered 12 geoscience applications compared to 13 in 2011. Of these applications, six were recommended for registration as

Licensee Admissions Committee

Geoscientists-in-Training, four had deficiencies assigned and two were assigned confirmatory exams and given the option to submit work experience to ERC to have the exams waived.

In 2012, ARC reviewed 29 more international engineering applications than in 2011, and one fewer application for geosciences. Since 2009 the workload for ARC has significantly increased. To assist with this workload, the ARC terms of reference were amended to provide for ARC reviewers. These are persons who have similar training to committee members and provide reviews and recommendations to the committee on a regular basis. They may attend ARC meetings if necessary, but do not have a vote on committee decisions.

During 2012, several ARC policies were amended to try and cut down on the number of applications that go through ARC. The use of a consent agenda has helped the committee to process more applicants during a meeting. The committee continues to look at practices from other jurisdictions to try and identify those that might help to improve the efficiency of the academic review process.

ARC strives to ensure that there is representation on the committee from a variety of disciplines, both from industry and Saskatchewan universities. It has proven to be very helpful to have committee members who are fluent in languages other than English, since they have been able to read and interpret non-English documents. We have several members serving on the committee who have graduated from universities in other countries, and they bring a unique perspective to the committee and a first-hand knowledge of the education system in their home countries. Additionally, they have gone through the process of registering in Saskatchewan or other Canadian jurisdictions so they understand the application procedures.

ARC has had an extremely busy year and would like to express our gratitude and appreciation for the staff at APEGS and the dedication of our volunteers who contribute a significant amount of time and brainpower to the committee and to APEGS.

Respectfully submitted,

Kevin McCullum, P.Eng.
Chair

An APEGS Restricted Licence allows qualified individuals without a formal education in engineering or geoscience to practise professional engineering or professional geoscience within a defined scope of work tailored to their specific expertise. The requirements for obtaining a Restricted Licence are based on a combination of formal education and work experience. The holders of an APEGS Restricted Licence are referred to as Engineering Licensees or Geoscience Licensees, as appropriate.

The Licensee Admissions Committee was established to review applications and make recommendations regarding applications for a Restricted Licence.

The committee met five times in 2012. The agenda items of those meetings included consideration of seven new licensee applications and the completion of several applications carried over from 2011. In total, 11 applications were recommended to the Registrar for approval and registration as licensees.

The committee also provided Council with recommendations on how to consider licensee experience in the event that a licensee later completed a formal degree in engineering or geoscience. The completion of a formal education in engineering or geoscience would permit the licensee to pursue registration as a professional member and APEGS is working to develop a clear and consistent path from licensee to professional member.

2012 saw a 30 per cent increase in the number of final approvals for registrants as a licensee. Knowledge of the Restricted Licence program appears to be increasing among industry and prospective members. Interest in the program appears to be very high, with the environmental and mining sectors showing particular interest in the program.

We anticipate continued growth in our membership in the coming years.

Respectfully submitted,

Daryl Andrew, P.Eng.
Chair

Experience Review Committee

Under the jurisdiction of the Governance Board, the Experience Review Committee administers the policy and procedures established by Council for the review of work experience reports of members-in-training and other individuals applying for professional membership with the association. The committee makes recommendations to the Registrar following completion of those reviews.

The Experience Review Committee reviewed 1,255 work experience reports in 2012, an increase of 13 per cent over the number of reports in 2011. Included in the 2012 total was a record high of 93 reports reviewed for international engineering graduates referred from the Academic Review Committee.

In response to the increasing number of reports, the committee expanded from 19 to 27 members in 2012. The committee would like to thank the retiring members whose terms ended in 2012 for their hard work and dedication. Without volunteers such as these it would be impossible for the Experience Review Committee to fulfill its mandate. As it looks forward to another busy year, the committee is pleased to welcome 19 new members who joined the committee in 2012.

The committee would like to thank Tina Maki, P.Eng. and all other APEGS staff for the support they have provided to the committee in 2012.

Respectfully submitted,

Dan Bonnet, P.Eng.
Chair

Professional Practice Examination

The mandate of the committee is to coordinate and direct the Law and Ethics Seminars and to oversee the setting and administration of the Professional Practice Exam.

The Law and Ethics Seminar is held in Saskatoon in the spring and in Regina in the fall of each year. Each seminar runs for two days and is focused on preparing new members for the roles and responsibilities of Professional Engineers and Professional Geoscientists in society. The seminar also helps to prepare the participants for the Professional Practice Exam. 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.
- Continuing Professional Excellence.

The spring seminar was held in Saskatoon on April 20 and 21, 2012 with 171 registrations, and the fall seminar was held on September 28 and 29, 2012 in Regina with 129 registrations. The Professional Practice Exam is offered twice a year and written a number of weeks after each seminar. A total of 171 people wrote the spring exam on May 26, 2012, with six failures, and 143 people wrote the fall exam on October 27, 2012, with five failures.

Respectfully submitted,

T.L. (Tim) Heisler, P. Eng.
Chair

Registrar's Advisory Committee

The Registrar's Advisory Committee is a relatively new committee established in September 2011. It reports to the Governance Board. The committee is comprised of four members: Chair of the Academic Review Committee, Chair of the Experience Review Committee, Chair of the Licensee Admissions 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 endorsed by Council as its guide when making decisions.

The first meeting of the committee was held on October 4, 2011 and the committee met once in 2011 and twice in 2012. A total of five cases were discussed at these meetings and a recommendation made to the Registrar in each case. Outcomes of the cases are published in The Professional Edge for the information of members, applicants and the public.

The committee would like to thank Tina Maki, P.Eng., FEC, Kate MacLachlan, P.Geo., Bob McDonald, P.Eng., FEC, LL.B., and all other APEGS staff for the support they have provided to the committee in 2012.

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.

Eight new bills were introduced at the spring sitting of the Legislative Assembly which commenced on March 5, 2012 and ended on May 17, 2012. Forty-two new bills were introduced at the second session of the 27th legislature which commenced on October 25, 2012 and was adjourned on December 6, 2012. A total of 50 bills were monitored during the year. The 50 bills that were monitored had no direct effect on the Association and its members related to the practice of engineering and geosciences in Saskatchewan.

Respectfully submitted,

Myron Herasymuik, P.Eng., FEC
Chair

Saskatchewan Construction Panel

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

The panel also arranged one half-day symposium to provide a forum for the exchange of information on a range of construction topics. The Spring Symposium major topic was a presentation made by the Minister of Finance about the Saskatchewan budget 2012 and its implications for the construction industry. There was also a presentation by people from the Ministry of Government Services about green initiatives within government.

We have taken some actions related to the report prepared by a Saskatchewan Construction Panel subcommittee for the Minister of Government Services. Key recommendations relate to standardization of construction documents (request for proposal, consultant agreements, construction documents) and the Western trade agreement.

The Co-Chairs of the Saskatchewan Construction Panel in 2012 were Warren Michelson, MLA for Moose Jaw North, representing the government, and Michael Fougere, Saskatchewan Construction Association, representing industry. Michael Fougere has resigned and the panel is in the process of appointing a new Co-Chair.

Respectfully submitted,

Gordon Beck, P. Eng., FEC
APEGS Representative to the Saskatchewan
Construction Panel

Image and Identity Board

The Image and Identity Board is responsible for the public image and communications of APEGS as well as membership engagement and recognition. The board promotes the value of engineering and geoscience within the professions and to the public. These objectives are met by:

- informing APEGS members and the public about the Association and its activities;
- promoting and encouraging member participation in Association activities;
- raising the public profile of the professions;
- developing, coordinating and implementing programs and activities that benefit members;
- promoting equity-based participation in the professions;
- providing recognition for deserving members and projects;
- providing a channel for technical input and communication on public policy issues of concern to the professions; and
- developing policy related to board responsibilities.

The Image and Identity Board is chaired by the APEGS President-Elect and consists of the Chairs and Liaison Councillors from the five standing committees that report to the board. Details of the committee objectives and activities are well documented in the committee reports that follow. The following highlights deserve mention:

- acknowledgement of the worthy recipients of six APEGS awards which were presented at the Annual Meeting and congratulations to those members bestowed with the Fellow of Engineers Canada (FEC);
- the preparation by the Equity and Diversity Committee to host the 2014 Canadian Coalition of Women in Engineering, Science, Trades and Technology (CCWESTT) conference;
- continued excellence in developing new ideas and themes for communication within *The Professional Edge*;
- the ongoing preparations for the 2013 Annual Meeting in Regina with the theme “Lives and Careers – A Balanced Approach”;
- a very successful Volunteer Appreciation Day organized by the Connection

Awards Committee

and Involvement Committee which brought together about 50 volunteers for a day of training, committee meetings and informal interaction at Temple Gardens Spa in Moose Jaw;

- the development and approval of a media awareness campaign for engineering and geoscience with the theme “We See More,” including television advertising beginning with the first spots airing during Engineering and Geoscience Week in 2013; and
- the ongoing revamp of the APEGS website with planned implementation in early 2013.

The member volunteers of the Image and Identity Board and all of its committees have been very diligent in undertaking and completing their responsibilities during the past year. The contribution of their time and talents adds to the value and engagement of all of our APEGS membership. I have truly enjoyed the opportunity to work with this great group of volunteers over the past year and look forward to their ongoing contributions in the future.

The board also acknowledges the APEGS staff for their assistance in keeping the Image and Identity Board on track this year.

Respectfully submitted,

Dwayne A. Gelowitz, P.Eng., FEC
Chair

The mandate of the Awards Committee is to pursue recognition for members' achievements by:

- Reviewing criteria of awards established by Council;
- Developing criteria for new awards to be recommended for establishment by Council;
- Searching for candidates, reviewing nominations and making recommendations to the Image and Identity Board for recipients of awards established by Council, annually;
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for local, provincial, national and international awards offered to engineers or geoscientists, when appropriate;
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for other awards as deemed appropriate by the Awards Committee, the Image and Identity Board or Council; and
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for Fellowship of Engineers Canada.

The Awards Committee reviewed many excellent nominees for the six APEGS awards. Four individual recipients were chosen for their exemplary work in the areas of engineering/geoscience achievement, service to the professions and service to the community.

One outstanding project delivered by a team of Saskatchewan engineers and geoscientists and one environmental project were recognized.

The six awards presented at the 2012 Annual Meeting Awards Banquet were:

- Brian Eckel Distinguished Service: Clarence A. Reed, P.Eng., FEC
- Outstanding Achievement: Dr. Arthur T. Bergan, P.Eng.
- Promising Member: Sarah Gauthier, P.Eng.
- McCannel Service: Harry A. Sabier, P.Eng., FEC
- Exceptional Project: Saskatchewan Watershed Authority – Emergency Flood Damage Reduction Program

Connection and Involvement Committee

- Environmental Excellence: Saskatchewan Research Council – Combined Heat and Power Demonstration Project

In addition, eight APEGS members and other individuals received recognition from Engineers Canada for their noteworthy service to the engineering profession and were bestowed with the title of Fellow of Engineers Canada (FEC) or Honorary Fellow of Engineers Canada (FEC [Hon.]).

2012 also marked the Queen's Golden Jubilee, and two APEGS members, Dr. Karim Nasser, P.Eng., and Pieter Van Vliet, P.Eng., FEC, received the Queen Elizabeth II Jubilee Award from Engineers Canada.

Council approved the terms of reference for a new award – Friends of the Professions – in 2012. This award will recognize exceptional achievements or unique contributions by a non-member (individual or group) in the promotion of the professions. It will be awarded for the first time at the 2013 Annual Meeting Awards Banquet.

In an effort to solicit more nominations for the 2013 awards, the Awards Committee developed a short-form nomination form that was distributed to all APEGS members by email in the fall of 2012. We received approximately 20 nominations from APEGS members. The Awards Committee is also implementing a scoring tool to be used in the evaluation of the 2013 nominees.

I would like to take this opportunity to thank the past Chair, Debra Anderson, P.Eng., FEC, for her leadership of the Awards Committee over recent years. I would also like to thank the members of the committee for their efforts and diligence in selection of very deserving award recipients.

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

Respectfully submitted,

Shawna L. Argue, P.Eng., FEC
Chair

The Connection and Involvement (C&I) Committee's role is to keep the members of APEGS and the constituent societies informed, engaged and involved in the societies. This encompasses the activities involving the Annual Meeting, volunteers, information regarding membership and acting as a liaison among the societies.

The 2012 Annual Meeting was held in on May 3, 4 and 5. Over 350 attended, which was comparable to the attendance of other years. The theme of the three-day event was "Navigating the New Normal: Global Risks – Global Rewards." The Annual Meeting provides opportunities for networking and professional development.

The work is under way for the 2013 Annual Meeting to be held in Regina on May 2, 3 and 4. A holistic theme was chosen by the AM committee: "Lives and Careers – A Balanced Approach."

The C&I committee has developed a survey that will be sent out after the Annual Meeting to obtain feedback on the event. Our goal is to increase attendance at the Annual Meeting by listening to the members and using this information to change and improve the Annual Meeting and accompanying professional development days. As well, we are hoping to survey members who have not attended to find ways to improve attendance at future Annual Meetings.

A C&I subcommittee has been working diligently with the AM staff and volunteers to create a comprehensive Annual Meeting planning guide. It should be completed by the end of this year.

The C&I Committee has been actively looking at ways to encourage member participation in constituent societies. We have pursued the avenue of providing member information to each society, but due to privacy and legal implications this is not possible so another approach must be found.

On the topic of legal implications, the C&I Committee has been made aware that there is no liability insurance coverage extended to the constituent societies under APEGS. We will be pursuing this in the upcoming year by facilitating discussion among the societies to determine what insurance is required and how best to obtain it.

A proposal for a grant formula was struck after much discussion and debate between C&I and the constituent societies. The grant formula has been

Professional Edge Committee

approved by Council and will come into effect starting in 2013. The hope is that the new grant formula will provide more equitable funding for the smaller societies. Along with this change are changes to the process for grant application by the constituent societies. A policy has been drafted, along with changes to the committee's terms of reference. The most significant change is that beginning in 2013 the grant applications are sent to the C&I Committee for review and recommendations.

The C&I Committee reviewed the benefits of APEGS membership. This included a comparison of APEGS benefits to other societies in Canada. The results show that APEGS is comparable in its benefits to similar associations in Canada. The C&I Committee is assessing how best to communicate membership benefits to existing and new members.

The salary survey has been running for several years. The information is compiled and the results are posted in *The Professional Edge* and on the website. We review the survey each year to keep it current so as to provide valid information to APEGS members.

The C&I Committee ran the second annual Volunteer Orientation in Moose Jaw on November 3 in conjunction with the two-day Continuing Professional Excellence session that took place on November 1 and 2. The Volunteer Orientation Day began with a presentation on meeting skills training put on by RGI Learning. This was followed by APEGS committee meetings that provided an opportunity for members to meet face to face, something that is difficult to do during the year. This event has been very successful and therefore the C&I Committee has created a subcommittee and annual budget to continue with it.

Respectfully submitted,

Renee Chevalier, Engineer-In-Training
Interim Chair

The Professional Edge is the pipeline that brings association and industry information to APEGS members. Our mandate for updating the association's community of members is to provide a new magazine, once every two months. Our goal with each edition of *The Professional Edge* is to focus on areas of interest to the Saskatchewan community of engineers and geoscientists, and to bring thoughtful, concise news into their hands and minds.

Though frequently debated in this high-packed and more electronic age, *The Professional Edge* is still a printed magazine at its core. Technology has allowed us to augment the content with information that can be shared electronically, but our central focus remains on the provision of a quality printed product. Previously we were able to move *The Professional Edge* to be a full-colour publication, which continues to be received as a positive upgrade for the magazine.

The Professional Edge strives to be a publication which covers a wide array of topics and articles. Over the course of 2012, we published a variety of stories with many diverse themes and content. We made a conscious choice to shift the editorial themes from issue to issue. We try to engage as many different areas of interest as possible among our large membership. It is our hope to include relevant material for every reader throughout our publishing year.

The Professional Edge Committee attempts to meet every second month, in the first full week of the month, to review the new roster of articles that will make up the next edition. The majority of our editions are pinned together around a central theme, relaying one unique aspect of engineering or geosciences. However we still include core pieces that reveal the larger picture of who makes up the association and what they do.

The Professional Edge is aided greatly, and made better, by the work of the members of the Professional Edge Committee and the editorial skills of Martin Charlton Communications.

Respectfully submitted,

R. Grant Guenther, P.Eng.
Chair

Communications and Public Relations Committee

The Communications and Public Relations Committee (CPR) reports directly to the Image and Identity Board and works in partnership with other committees within APEGS to raise the awareness and profile of our professions and our association within the following audiences:

- General public
- Business
- Governments and Politicians
- APEGS Members
- Other Professional Organizations

In 2012, the committee engaged Martin Charlton Communications to provide our professional support. A number of changes were implemented in 2012, with more emphasis on marketing on the web and softening our commitment to the radio format.

A major initiative included the revamping of the APEGS website, with both the front and back ends targeted for updating. The back-end work will improve the productivity of the APEGS staff and the volunteer committees while making it easier for engineers and geoscientists to interact with the Association. The front-end design work will improve the layout and flow of the website to better serve members, future members and the general public. The website is expected to go online early in 2013.

The committee traditionally works on a two-year cycle, developing a multimedia campaign which primarily utilizes billboards, radio, web media and print media as a means of reaching our target audiences. The 2013 campaign will introduce the theme of “We See More,” which will encompass two sub-messages of “prosperity” and “safety.” Our multimedia campaign focuses on Engineering and Geoscience Week and will feature 30-second television ads together with strategically placed billboards. Print media will also be used throughout the year.

The committee has been well served in 2012 by all volunteer members who have generously contributed their time and talents. I extend a special thank you to our former committee members for their contributions. Finally, I would like to thank Andrew Lockwood, P.Eng. and Gillian Ash Richard, P.Eng., who have both served this committee well.

I would also like to thank Lyle Hewitt and Mary-Lynn Charlton of Martin Charlton Communications for their enthusiasm and new ideas for our committee. Our APEGS staff liaison, Chris Wimmer, P.Eng., was a valuable asset to the committee who helped immensely with the transition between new Chairs, new consultants and new websites.

Respectfully submitted,

Robert J. Berry, P.Eng., FEC
Acting Chair

Equity and Diversity Committee

The Equity and Diversity (E&D) Committee provides leadership for the Association on equity and diversity matters, and fosters an understanding among all APEGS members of the role of equity and diversity in the engineering and geoscience professions and the importance of maintaining a respectful workplace. E&D encompasses five equity groups: Persons With Disabilities, International Graduates, Visible Minorities, Aboriginal Persons and Women.

This is the third full year for the committee and its focus was to become involved in providing guidance to other APEGS committees, where appropriate, to find other groups and events that have similar purposes, and provide support and develop partnerships.

The planning of the Annual Meeting and the Professional Development Day had input from E&D. This resulted in two track sessions at the 2011 Annual Meeting with topics that were relevant to First Nations people and international graduates. The committee provided article ideas and interviews for *The Professional Edge*.

We are in the process of planning for the 2014 Canadian Coalition of Women in Engineering, Science, Trades and Technology (CCWESTT) conference. Dr. Dena McMartin, P.Eng. is the Chair of the planning committee and represents APEGS on the CCWESTT national committee.

The committee supported and participated in many other events throughout 2012. Support is through donations, attending, planning, hosting and volunteering for events.

The E&D committee provides APEGS representation on relevant Engineers Canada committees. We also participate on the Aboriginals and Women Group headed by APEGA.

A special thanks to all current and former committee members for their contributions in 2012.

The committee would also like to recognize APEGS staff for their help with some of the initiatives this year.

Respectfully submitted,

Stormy Holmes, P.Eng., FEC
Chair

Education Board

The Education Board fosters the development of potential, future and practising professional engineers and geoscientists. We accomplish this by promoting science, mathematics and environmental sustainability education to students, teachers and administrators in the elementary and secondary school systems, and to the general public. The board also encourages member competence through professional development activities and promotes the profession to engineering and geoscience students and faculty at Saskatchewan's universities.

Following are annual reports to the Education Board of the four standing committees and the representatives to the University of Saskatchewan and University of Regina Senates:

- Professional Development Committee (PDC);
- Kindergarten to Grade 12 Committee (K-12);
- Student Development Committee (SDC);
- Environment and Sustainability Committee; and
- Senate.

The PDC has the responsibility for that ensuring our members maintain their professional excellence. In part this is accomplished through providing professional development opportunities for members. This year these took place at the Annual Meeting in Saskatoon in May and during a fall professional development event in Moose Jaw. Another way is through the Continuing Professional Excellence program (CPE). The CPE program helps members to maintain their professional competence through participation in a broad range of activities. The CPE recognizes the role that working, participating in learning events, contributing to the body of knowledge, encouraging new members and fellow professionals, and being positive, active members of our communities has in maintaining our professional competence and the respect for the society we serve as self-regulated professionals.

The K-12 Committee works to develop: outreach resources supporting the math and science curriculum for Saskatchewan educators and students; and resources that allow primary and secondary students to understand, appreciate and consider careers in professional geosciences and engineering. This year the committee has partnered with educators, students

and consultants to produce teaching materials in water sciences and videos documenting the careers of several of our members.

The SDC works to foster an understanding of our self-regulated professions amongst university students. Primarily the committee accomplishes this through grants to the four student societies in engineering and geoscience at the Universities of Saskatchewan and Regina for their departmental events, particularly those that allow students to interact with professionals and for students' participation in various engineering and geosciences meetings and competitions.

The Environment and Sustainability Committee is the newest member of the Education Board but has been an APEGS committee for some time. The committee reflects the importance that our professions are placing on strong environmental sustainability in everything that we do. The committee has assisted many of the other committees, providing content and feedback for such forums as The Professional Edge, professional development days and our annual meetings.

The most recent initiative of the Education Board has been the completion of the terms of reference for \$50,000 in scholarships to be awarded on an annual basis to students at the two provincial universities. The board recognizes the hard work of the Co-Chairs, Art Opseth, P.Eng., FEC and Kevin Hudson, P.Eng. in getting this initiative under way.

The Education Board was well served in 2012 by the capable and enthusiastic volunteers that make up the board and its four constituent committees. Current board members are:

Professional Development Committee

- Doug Thomson, P.Eng. Chair
- Doug Drever, P.Eng., FEC, Liaison Councillor

Student Development Committee

- Stephanie Campbell, Engineer-in-Training, Chair
- Terry Fonstad, P.Eng., Liaison Councillor

Kindergarten to Grade 12 Committee

- Kevin Hudson, P.Eng., Chair
- Penny Semczyshyn, Engineer-in-Training, Liaison Councillor

Environment and Sustainability Committee

- Wes Kotyk, P.Eng., Chair
- Larry Lechner, P.Eng., Liaison Councillor

University of Regina Senator

- Art Opseth, P.Eng., FEC

University of Saskatchewan Senator

- Rick Forbes, P.Eng., FEC

I would like to thank Patti Kindred, P.Eng., FEC, Director of Education, and all members of the Education Board for their dedication and assistance throughout the year.

Respectfully submitted,

Andrew Loken, P.Eng., FEC
Chair

Professional Development Committee

The Professional Development Committee (PDC) promotes and encourages the professional growth and continuing education of all members of APEGS. One of the ways we do this is by offering members various opportunities for obtaining professional development (PD) to help members maintain competence and stay current in their chosen field, which is a requirement under the APEGS Code of Ethics.

PDC was once again active in 2012 with professional development opportunities for members, by assisting with the PD Day portion of the Annual Meeting in May as well as planning and delivering the fall PD session. This year's session was a two-day, two-workshops-per-day event held November 1 and 2 in Moose Jaw at the Temple Garden facility. The "Get to the Point" technical writing course was full to capacity, with 30 registrants attending both days; the Infrastructure Climate Change Risk Assessment (PIEVC protocol) workshop on day 1 had over 20 attendees, while the day 2 multi-track workshop on Environment and Sustainability had over 50 participants.

By all accounts the session was a success, and we plan to continue with this annual offering and potentially augment the opportunities for members by partnering with other associations for additional PD sessions. PDC has had good success working with other APEGS committees and our constituent organizations. For the 2012 event, we would especially like to recognize the contributions of the APEGS Environment and Sustainability Committee, APEGS Connection and Involvement Committee, Engineers Canada, Saskatoon Engineering Society, Regina Engineering Society and the host Moose Jaw Engineering Society for their assistance with the event.

Respectfully submitted,

Doug Thomson, P.Eng.
Chair

Student Development Committee

The purpose of the Student Development Committee is to promote science and engineering to, and liaise with, university faculty and students. This is achieved through attendance at career fairs, student awards and scholarships, and sponsorship of student events.

This year the committee focused on improving the process of awarding grants and sponsorship to student events. The Funding Criteria Subcommittee developed a set of six criteria on which submissions would be ranked. A new request form was created to align with the criteria, which improved the ease and quality of the submissions. The requests are now collected and ranked by the committee against the weighted criteria. This new process was tested in December and proved to be a great improvement. The committee will continue to fine-tune the process in the upcoming year. The committee would like to thank the subcommittee members for their hard work and recommendations.

I would also like to thank our student society representatives for their continued diligence in attendance and reporting, the faculty representatives for their insight, and the Vice-Chair, secretary and the APEGS staff for their time and commitment.

Respectfully submitted,

Stephanie Campbell, Engineer-In-Training
Chair

K-12 Committee

The Kindergarten to Grade 12 (K-12) Committee was very busy in 2012, working with students and educators to develop outreach resources to support the renewed science curriculum and career education.

One of the most exciting projects has been working with high school students at Walter Murray Collegiate in Saskatoon to produce a number of videos that highlight career opportunities available in engineering and geosciences. The videos are featured on the APEGS website, and include interviews with several APEGS members from across the province.

The committee has also worked with the Environment and Sustainability Committee on a grade 8 unit plan to protect society's most important resource – water. The new unit plan will be piloted in grade 8 classrooms in the spring of 2013 and available to all schools in the fall of 2013.

Working directly with students and educators on outreach provides an opportunity to develop engaged citizens. As students explore connections between science, technology, society and the environment, they experience opportunities to contribute positively to the environmental, economic and social sustainability of local and global communities. Students reflect on their personal responsibility to understand and respect their place in the natural and constructed world.

Respectfully submitted,

Kevin Hudson, P.Eng.
Chair

Environment and Sustainability Committee

The role of the Environment and Sustainability Committee is to:

- monitor environmental trends and issues which may impact on APEGS and its members, and recommend responses and actions;
- promote environmental considerations in APEGS activities and member actions;
- function as a liaison for APEGS with Engineers Canada environmental initiatives, environmental groups within the APEGS professions and other professions; and
- support activities of the Education Board by developing and sponsoring environmental-based professional development activities.

In 2012, six meetings of the committee were held and the following activities carried out:

- Three committee members participated in EnerCan West 2012 Conference in February and manned the APEGS trade show booth.
- Two meetings were held face to face in conjunction with the APEGS Annual Meeting in May and volunteer session in November.
- Recruited three new committee members.
- Contributed a \$500 sponsorship for the Saskatchewan Regional Center of Expertise on Education for Sustainable Development recognition awards.
- Supported a committee member's attendance at the Building Saskatchewan Green Conference in Regina in October.
- Committee members participated in APEGS Volunteer Day held in Moose Jaw in November.
- Two committee members assisted the Professional Development Committee in organizing the Professional Development Days in Moose Jaw in November.
- Participated in Engineers Canada teleconferences of Environment and Sustainability officials.

University of Saskatchewan Senate

- Met with the K-12 Committee and provided input into their curriculum planning activities.
- Monitored environmental issues and recommended a number of articles for the *Professional Edge* committee.

Thank you to those who served the committee in 2012.

Respectfully submitted,

Wes Kotyk, P.Eng.
Chair

President Peter MacKinnon stepped down effective June 30, 2012, and Dr. Ilene Busch-Vishniac was appointed the university's ninth president, effective July 1, 2012. The search for a College of Engineering dean is still ongoing. Dr. Ernie Barber, P.Eng. continues to do a fine job as the interim dean.

There were two University of Saskatchewan Senate meetings held during the past year – April 21, 2012 and October 20, 2012. Total enrolment for 2012 was up 3.3 per cent to 21,711 with 17,200 undergraduates. Seventy-eight per cent are from Saskatchewan, 7 per cent international and 11 per cent outside of province. There was 79 per cent retention of first- to second-year students with engineering at 85 per cent. A key priority continues to be Aboriginal students. There is an issue of accurate reporting statistics because of voluntary reporting.

The university has just completed its Second Integrated Plan, "Toward an Engaged University (2008-2012)." The plan steered the university toward becoming a fully engaged institution. Twenty commitments are outlined in the plan and were worked at over the period. Details can be found at www.usask.ca/ip. The Third Integrated Plan, "Promise and Potential," is being implemented, focusing on the financial issues of the university while meeting its objective. Projections show that by 2016, there could be as much as a \$44.5 million annual deficit. 2012-2013 planning had projected a \$15.5 million deficit which has been cut to \$6 million. There has been \$600 million of deferred maintenance. The Service Process Enhancement Project is tasked to identify service and process enhancements while ensuring effective and efficient use of resources.

The College of Engineering celebrated its 100th anniversary with activities held in September. The college has a Strategic Plan 2012-2016, which can be found on its website. The college plans within the university planning process. Engineering enrolment has increased from 1,966 to 2,011. Female undergraduate students are up slightly to 20 per cent. Aboriginal enrolment remains at 3 per cent. Two hundred and fifty-one undergraduate, 64 master and 17 doctorate degrees were awarded in 2012. Donations to the college were up substantially in 2012 to \$5.5 million from \$3.3 million. Details can be found at www.engr.usask.ca.

Respectfully submitted,

Rick Forbes, P. Eng., FEC
APEGS Representative to the U of S Senate

University of Regina Senate

The University of Regina Senate considered a number of issues over the course of 2012.

New Degree-granting Institutions

Last January, the Government of Saskatchewan indicated that it is considering the introduction of new legislation to allow more institutions to grant degrees. This will be accompanied by a quality assurance board to make sure that the institutions meet acceptable standards. This is not supposed to have any impact on the two existing universities.

Coat of Arms

One small item that created a lot of discussion at one Senate meeting was that the university wants to register its coat of arms. This will mean some changes must be made to the current coat of arms, and not everyone is happy with the proposed changes.

Course Adjustments

Minor changes were announced to many programs in almost all faculties due to changes that have been made to high school programs. One item of concern is that the changes that have been made to the high school math curriculum may not meet the needs of engineering and science.

Academic Program Review

The university is undertaking an academic program review process which will look for duplicate or similar classes or programs that could be combined to make operations more efficient. This process is in many ways similar to Canadian Engineering Accreditation Board (CEAB) accreditation. This will likely take quite a bit of time to complete but could be very beneficial to students and the quality of the programs.

CEAB Accreditation Visit

The CEAB team made a visit to the Faculty of Engineering and Applied

Science last November. The faculty seemed pleased with the visit, and the exit interview seemed to indicate that there were no significant problems. However, we will have to wait until next June to receive the results.

This year they prepared all of the information for the traditional way of counting accreditation units and using the minimum path method as well as a start on using the new outcomes-based assessment. While the new system will not be used in the current assessment, the faculty had to show the visiting team that a process is in place for the next accreditation.

Establishing this process has proven to be challenging for the faculty. Under the outcomes-based assessment, the CEAB will be looking for the following attributes:

- Knowledge base of engineering
- Problem analysis
- Investigation
- Design
- Use of engineering tools
- Individual and team work
- Communication skills
- Professionalism
- Impact of engineering on society and the environment
- Economics and project management
- Lifelong learning

New Dean of Engineering

The university has just started a search for a new Dean of Engineering, and a search committee is in place. The short list of candidates will be released in early January, with the candidates starting to come to campus in January. Paitoon Tontiwachwuthikal, P.Eng. (or PT as we like to call him) has now served the faculty well for more than 10 years, which is more than the usual two terms. The university and the field of engineering owe a great deal to PT for his great leadership over his term.

Engineers Canada

Enrolment

The university keeps growing and now has 13,115 students registered in classes, an increase of 1.8 per cent from last year. This number includes First Nations University as well as Campion and Luther Colleges. There are 1,589 graduate students, up by 0.8 per cent. Engineering undergraduate enrolment is 875, up 4 per cent. In 2012, there were 136 engineering B.Sc. graduates, 18 M.Eng., and 31 M.Sc., as well as several Ph.D. graduates. It is interesting to note that the new nursing program already has 674 students.

Budget Cuts

At the moment there is a significant shortage of classroom space. Since finances at the university are tight, there are no new capital projects planned to address the problem.

This year all faculties and programs have been asked to reduce their budgets by 3 per cent. This will prove to be difficult since such a large percentage of the budget is dedicated to salaries for faculty and staff. There has been some discussion about combining faculties or programs but there is nothing other than talk at this time.

While the Faculty of Engineering and Applied Science is hiring new staff, it is only to replace those who have left. Adding any new faculty or staff may be difficult.

Respectfully submitted,

Art Opseth, P.Eng., FEC
APEGGS Representative to the University of
Regina Senate

Engineers Canada is the national organization of the 12 provincial and territorial associations (including APEGGS) that regulate the practice of engineering in Canada and license the country's more than 250,000 members of the engineering profession. Engineers Canada serves the associations, which are its constituent and sole members, by delivering national programs that ensure the highest standards of engineering education, professional qualifications and professional practice.

In addition to being the voice of its constituent associations in national and international affairs, Engineers Canada coordinates the development of national policies, positions and guidelines on behalf of the engineering profession. It also promotes greater understanding of the nature, role and contribution of Professional Engineers and engineering to society, and undertakes federal government relations and national media relations on behalf of, and in consultation with, its constituent associations.

The organization also oversees research activities to monitor the pulse of the engineering profession in Canada. Among its objectives, it coordinates research on the nature of engineering work in Canada and labour market information, as well as publishes the Canadian Engineers for Tomorrow: Engineering Enrolment and Degrees Awarded report.

The Canadian Engineering Accreditation Board, a standing committee of Engineers Canada, 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 board 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, another vital committee of Engineers Canada, develops national guidelines on the qualifications, standards of practice, ethics and professional conduct expected of Professional Engineers. The Qualifications Board is also responsible for the Engineers Canada examination syllabus and the Engineers Canada international institutions and degrees database. The associations use the database and syllabus 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.

In September 2012, Engineers Canada announced the appointment of Kim Allen, P.Eng., FEC as chief executive officer effective September 11, 2012. Mr. Allen brings to his new role nearly a decade of experience as the chief executive officer and registrar of Professional Engineers Ontario.

Over the last 12 months, the Chief Executive Officers Group made significant progress in development of the Canadian Framework for Licensure. The framework is a dynamic model for all Canadian engineering regulatory associations to enhance their ability to regulate the practice of professional engineering in order that the public interest is better served and protected. It will develop foundational documents to help Canadian engineering regulatory associations improve their legislative framework to enhance equity, consistency, fairness and timeliness of services. These changes will result in enhanced national and international mobility through uniform qualifications recognition, admissions, and discipline and enforcement procedures. The framework focuses on the essential elements of the regulated engineering profession in Canada and develops key considerations and supporting implementation details for each one. These elements will form a national framework which is available for the engineering regulatory associations to amend legislation or make changes to bylaws or regulations.

The following three elements of the framework were presented to the Engineers Canada board for endorsement on March 1, 2013:

- Fairness in Registration Practices
- Competencies and Requirements for the Professional Engineering Licence
- Competencies and Requirements for the Limited Engineering Licence

The Competency-Based Assessment of Engineering Work Experience Project (Competency-Based Project) was created in January 2011 in response to the need for an improved process for assessment of engineering work experience. The Competency-Based Project developed seven core engineering competencies and an assessment process which will provide objective, clear, transparent and equitable evaluations of the applicants' engineering work

experience. This process requires applicants to submit three competency demonstrations for each of the seven core engineering competencies (21 demonstrations in total). A team of two trained professional engineer assessors then evaluate the applicants' competency demonstrations against the indicators, using a structured process and taking into account additional factors. The competencies have been validated through face-to-face consultations, surveys and feedback from the pilot project in Ontario and Saskatchewan. The final report of the Competency-Based Assessment of Engineering Work Experience Project was presented to the board on March 1, 2013, for endorsement of the following recommendations included in the report:

- Adopt the proposed competencies as the definition of the work experience requirement for licensure as a Professional Engineer.
- Endorse the proposed competency-based assessment process as the baseline for national harmonization of the work experience requirement.
- Support the progressive implementation of the proposed solution by Engineers Canada to:
 - Coordinate the design, development and deployment of an online system.
 - Create a national steering committee to provide oversight for the development of the online tool and implementation by associations.
 - Assist each association through the adoption phase.

The International Engineering Graduate Roadmap Project is aimed at creating a comprehensive one-stop information resource within the Engineers Canada website. This microsite will help international engineering graduates navigate through the engineering licensing process in Canada. The roadmap website was launched on January 31, 2013.

The Qualification Board's Engineer-in-Training Committee created a Guideline on Mentoring Programs to support individuals and constituent associations who would like to enter into mentoring relationships. The guideline, which outlines the roles of the mentor and the mentee and provides tips and forms for an effective mentoring relationship, was presented for approval at the board meeting on March 1, 2013.

Geoscientists Canada

The Good Character Task Force of the Canadian Engineering Qualifications Board developed a Guideline on Good Character to provide guidance on the issue of “good character.” Good character is expected of both applicants for licensure and for registrants, and this guideline provides context for that requirement. The guideline explains why character is important within the engineering profession in the best interest of the public, what types of behaviours are considered good or bad character, and how the constituent associations assess the character of applicants and registrants.

The Governance Committee continues to work towards the full implementation of the policy governance model. Drafts of the governance process, board-management delegation, and executive limitations policies (known as “means” policies) were finalized and presented for approval at the board meeting on March 1, 2013. Working drafts of the “ends” policies that the board began to develop at their June 2012 workshop were the subject of a plenary session held on February 28, 2013.

The following work will be carried out in 2013:

- Consultation with the constituent associations on the ends policies.
- Completion of the draft set of ends policies.
- Development of board monitoring system.

I am enjoying the first year of my three-year term as a director of Engineers Canada and I am grateful to APEGS for the opportunity. I also wish to thank my predecessor, Ken From, P.Eng., FEC, for the tremendous contributions he made to Engineers Canada and the engineering profession during his six years as a director.

Respectfully submitted,

Rick Kullman, P.Eng., FEC
Director, Engineers Canada

It has been my pleasure to serve as APEGS director to Geoscientists Canada (GC) for the last three years.

GC is a national council of self-governing professional associations (constituent associations) that regulate the profession of geoscience in each of the jurisdictions in Canada. GC does not license individual geoscientists. Individuals must become licensed with the appropriate constituent association (CA) in each of the provinces or territories in which they intend to practise.

The mission of GC is to develop consistent, high standards for the licensure and practice of geoscience, facilitate national and international mobility, and promote the recognition of Canadian Professional Geoscientists.

GC exists to provide national leadership in Canadian professional geoscience and to represent the Canadian geoscience profession nationally and internationally. Several important initiatives regarding the practice of professional geoscience have progressed during 2012.

Geoscientists Canada continues to support the work of the Canadian Geoscience Standards Board (CGSB) in preparation of a Framework for Assessment in the Licensing of Professional Geoscientists in Canada.

Licensure compliance and the awareness that geoscience practitioners must be registered in all jurisdictions where they work continues to be an important issue across Canada. In Saskatchewan, practising geoscientists are required to register with APEGS. The abbreviation “P.Geo.” may only be used by geoscientists who are licensed members in good standing with APEGS.

In 2012, the Incidental Practice Task Force completed its service. This team was directed to determine the definition of geoscience practice in Canada, determine what is incidental practice, and what would be required to regulate such practice. The intention was to determine how incidental practice would affect the various constituent associations, which were surveyed to assemble relevant data. The results of the survey and the recommendations of the task force were presented to the board members at the annual meeting in June 2012. Board members voted to thank the task force but not to proceed with the recommendations at that time.

Subsequently two board motions were made. The first was to form a task force to develop a Memorandum of Understanding on Incidental Practice as a

template for use by those CAs that may choose to pursue IP (incidental practice) arrangements with other CAs. The second motion created a joint task force (between GC and CGSB) to assemble the practical working definition of “practising geoscience” as it is implemented by the various CAs. Both of these task forces will present their results to the GC board in June 2013.

Canada hosted the Fourth International Professional Geology Conference (4IPGC) in January 2012 in Vancouver. This was a major international event, drawing professionals from around the world to address issues related to the regulation of geoscience practice.

The federal government’s new Canada Not-for-profit Corporations Act (NFP Act) has come into force and all old Part 2 corporations (of which Geoscience Canada is one) must complete a transition to compliance under the new corporation rules by Oct 17, 2014. The main elements of the transition are: to restate letters patent, to revamp bylaws and to redeclare status if a registered charity (GC is not a charity). The board of directors directed the Governance Committee to form an NFP Act Transition Task Force to prepare all material for completion by June 2013.

The board moved to increase the annual assessment for the CAs to \$31.52 per member, commencing in 2013. The additional funds will be used to offset the costs to APEGBC, who provide office space and administrative support, and also allow GC to maintain a small contingency fund. The CAs agreed to the increase.

The next annual meeting of Geoscientists Canada will be held in Winnipeg on Saturday, June 1, 2013.

Respectfully submitted,

Sandra Jean Foster, P.Geo., FEC (Hon.)
Director, Geoscientists Canada

2012 was a special year for the College of Engineering at the University of Saskatchewan as we celebrated our 100th anniversary. The centennial provided an opportunity to reflect on our rich history and celebrate the college’s accomplishments and innovations. We are immensely grateful to have had APEGGS as our title sponsor for the centennial reunion in September which saw nearly 1,000 alumni and guests participate in a number of celebrations, including the inaugural Sask Innovation Week and the honouring of the college’s first dean, C.J. Mackenzie, with a commemorative plaque at the Broadway Bridge in Saskatoon.

In the past year we also entered a new planning period, coincident with a four-year cycle of integrated planning at the University of Saskatchewan. Over the next four years, the College of Engineering will strive to be known for its high-quality programs, innovation and relevance to industry. On behalf of the faculty, students and staff, I’m proud to report on some of the progress and success of the past year.

Student Body

Undergraduate and graduate enrolment numbers continue to increase in keeping with the strong demand for engineering education. Increasing student enrolment across all levels in a manner that maintains or enhances the quality of education will continue to be a key strategic priority. We will continue to admit and graduate students who build and enhance the reputation of the engineering profession and the University of Saskatchewan.

Student Enrolment

ACADEMIC YEAR	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012
Graduate	347	358	371	409	416
Undergraduate	1,516	1,510	1,558	1,590	1,606
Total	1,863	1,868	1,929	1,999	2,022

We’ve seen a consistent increase in female enrolment within the college. On the other hand, this past year we experienced a decrease in Aboriginal enrolment. Engaging Aboriginal people and communities in the work of the

college will be one of our highest priorities in coming years. We strive to attract a more diverse group of the best and brightest students to our programs and to engage meaningfully with our partners and communities, including Aboriginal people, who remain underrepresented in engineering today.

Aboriginal Student Enrolment

ACADEMIC YEAR	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012
Graduate	3	4	5	6	6
Undergraduate	46	46	52	52	43

Female Student Enrolment

ACADEMIC YEAR	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012
Graduate	90	93	94	122	120
Undergraduate	262	270	288	307	318

The College of Engineering maintains a strong emphasis on research and discovery, including the training of graduate students. In the past year, the College of Engineering was proud to announce new partnerships with industry including an NSERC Industrial Research Chair in partnership with Syncrude, a faculty Chair in power systems engineering with SaskPower and a research Chair in mining solutions with Cisco.

Research Funding for the College of Engineering

FISCAL YEAR	2008/2009	2009/2010	2010/2011	2011/2012
Tri-Agency	\$1.7M	\$4.1M	\$3.4M	\$4.6M
All Other	\$7.1M	\$3.7M	\$5.1M	\$4.2M

College Fundraising

The College of Engineering continues to receive strong financial support from our donors and community partners, for which we are very grateful. Continued support and encouragement is essential to realizing our vision of a larger, more industry-engaged, high-quality and innovative college.

Donations to the College of Engineering

FISCAL YEAR	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012
Total	\$3.9M	\$2.9M	\$2.5M	\$3.3M	\$5.5M

The exceptional commitment of our faculty, staff and students has allowed the College of Engineering at the University of Saskatchewan to continue to build on our success. The college designs its programs to give our students an incredible number of opportunities in public and private organizations around the world. Engineers have a vital role in Saskatchewan's economy. The college is positioned for growth and we look forward to an exciting next few years.

Respectfully submitted,

Ernie Barber, Ph.D., P.Eng.
Interim Dean

University of Saskatchewan, Department of Geological Sciences

The Department of Geological Sciences offers three undergraduate B.Sc. degree programs (Geology, Geophysics, Environmental Earth Sciences) that can lead to registration as a Professional Geoscientist in Saskatchewan. We also offer M.Sc. and Ph.D. graduate programs. The number of undergraduate students who have designated Geology or Geophysics as their major is now 192, with additional students in the Paleobiology and Environmental Earth Science programs. Our first- and second-year classes are in demand by students from other programs and colleges, especially Geological Engineering. Most senior courses remain at or above capacity and it is difficult to increase the number of sections or labs, given our faculty complement and space availability. Field schools in particular represent a bottleneck for students as enrolment is capped at about 20 to ensure that a quality experience is provided. We are currently looking at other options for students to get the field school experience required for their degrees and professional registration. Graduate enrolment is also growing. There are now 58 students enrolled in graduate programs (33 M.Sc. and 25 Ph.D.). Seven post-doctoral fellows and visiting scientists from Canada, the United States, Argentina and the UK have spent time in the department working on research projects with faculty.

Forty-three undergraduate, two Ph.D. and three M.Sc. degrees were awarded in 2012. Garrett LePoudre (High Honours in Geology) was the recipient of the APEGS Gold Medal in Geosciences.

The department maintains strong research programs covering a broad spectrum of the geosciences, including geophysics, environmental geochemistry, climate change, isotope geochemistry, sedimentology, stratigraphy and mineral deposits. Funding is significant and comes from a variety of sources: NSERC Discovery, Collaborative Research and International Polar Year Grants, Canada Foundation for Innovation, National Science Foundation, Canadian Foundation for Climate and Atmospheric Sciences, European Science Foundation, SSHRC, Saskatchewan Energy and Resources and industry. Synchrotron-based research on metals in the environment, performed by two Canada Research Chairs in the department, Graham George and Ingrid Pickering, is also funded by health research funding agencies in Canada and the US.

Two members of the department won national and international honours this year. Professor Rob Kerrich, McLeod Chair in Geological Sciences, won the

Logan Medal from the Geological Association of Canada and the Penrose Medal from the Society of Exploration Geologists. Patricio Desjardins, who received his Ph.D. last year, won the Canadian Society of Petroleum Geologists Best Ph.D. Thesis Award.

Members of the department have served on APEGS committees: Dr. Kevin Ansdell, P.Geo., FEC (Hon.) is a special adviser with the Academic Review Committee and one of the Saskatchewan representatives to the Canadian Geoscience Standards Board, and Dr. Jim Merriam, P.Geo. served on the Student Development Committee. Jon Sumner and Rachel Krahn were student representatives on the Student Development Committee.

Dr. Kyle Larson, who joined the department two years ago, resigned as of June 2012. We conducted a search for his replacement and have an offer out to a talented young geologist. We hired Matt Lindsay as an Assistant Professor in Geochemistry. Matt is currently working on a proposal for an NSERC Industrial Research Chair in mine waste reclamation. We have advertised to fill the Murray Pyke Chair in Geological Sciences. Murray Pyke was a graduate of the department, B.A. Geology 1956, M.A. Geology 1958, who enjoyed a very successful career in the Northwest Territories and Alberta. The donation from the Pyke family to establish the chair was the single largest donation in the history of the College of Arts and Science. We hope to fill this position by July 2013.

Respectfully submitted,

Dr. Jim Merriam, P.Geo.
Professor and Head

University of Regina Faculty of Engineering and Applied Science

Introduction

The past year has been a busy year for the Faculty of Engineering and Applied Science at the University of Regina. We experienced continued high enrolment numbers, especially in the first year classes, saw growth and expansion in key research areas, and spent much of the year preparing for the accreditation process for all five of our undergraduate programs. Below are some highlights from 2012.

Enrolment

Undergraduate enrolment remained high in 2012 with a total of 810 students. First year enrolment also remained high with approximately 248 enrolled in total. International student enrolment represents the highest portion of the enrolment increases over the past few years, but we have also seen a very slight increase in domestic enrolment from other provinces. Graduate student enrolment declined very slightly, but the faculty continues to have the highest full-time Ph.D. enrolment on campus.

Undergraduate Students by Major and Gender (Fall 2012)

MAJOR	TOTAL BY MAJOR			DEGREES AWARDED (SPRING & FALL 2011)
	TOTAL	FEMALE	FEMALE (%)	
Undeclared	11	4	36.4	-
Electronic Systems Eng.	74	9	12.2	25
Environmental Systems Eng.	129	51	39.5	36
Industrial Systems Eng.	119	14	11.8	29
Petroleum Systems Eng.	192	23	12	33
Software Systems Eng.	37	5	13.5	5
Common First Year	248*	37	14.9	-
Grand Total	810	143	17.7	128

Note: Students registered in and graduating from the Environmental Health Science program at the First Nations University of Canada are not included. *Includes Fall and Spring/Summer 2012.

Enrolment in the largest undergraduate programs is reaching maximum capacity, and the faculty is reviewing various measures to reduce the pressure in those programs. As yet, capping of enrolment has not been necessary but is being considered to alleviate pressures in the Petroleum Systems Engineering program.

Efforts are under way to recruit more students into the Software Systems Engineering and Electronic Systems Engineering programs. We anticipate significant demand across Canada for engineers in these disciplines. Careers for software and electronics engineers can be found in all industries, including the energy and resource industries. Our programs are tailored to prepare students to meet these gaps. Thus, our current recruitment strategies are more significantly focused on these disciplines.

In terms of recruitment, we are working with the local school boards on the exciting new Campus Regina initiative. High school students are able to come to the university and participate in a variety of activities designed to alleviate the stresses of transitioning from high school to university. In Engineering and Applied Science, students are able to access several laboratories after hours and work on interesting projects that introduce them to the field of engineering.

Funding

Both Saskatchewan universities experienced reductions in funding in 2012. This led to a number of budget tightening exercises at the University of Regina. An academic program review is currently in progress to look at building greater efficiencies into program offerings at the faculty and departmental levels. Thus far, the Faculty of Engineering and Applied Science has not had to adjust any programs or reduce faculty or staff numbers or student services to meet the tighter budget requirements.

Research

A number of changes have occurred at the University of Regina regarding research services. The Office of Research Services and the University-Industry Liaison Office have been amalgamated into the Office for Research, Innovation and Partnership. Also, a new, expanded energy and environment research focus led to the establishment of the Institute for Energy, Environment and Sustainable Communities (IEESC). Led by Dr. Gordon Huang, P.Eng., Associate

Dean, International, of the Faculty of Engineering and Applied Science, this institute functions as a research and demonstration institute that integrates and broadens the scope of the former Office of Energy and Environment, Centre for Sustainable Communities, and Centre for Studies in Energy and Environment. The IEESC brings together expertise in energy and environment research from across campus and partner institutions to conduct thematic research in areas of great relevance to the energy industry and on impacts and adaptation strategies related to climate change.

This year also marked a new milestone in the greenhouse gas technology development research program at the University of Regina. A \$2.7 million hydrogen production pilot plant was installed in the Greenhouse Gas Technology Centre. This pilot plant will be used to test the unique catalyst-based hydrogen production technology being developed by Faculty of Engineering and Applied Science researchers as well as other catalyst-based hydrogen technologies developed by industry and research partners. The technology will enable hydrogen to be produced from multiple feedstocks using a single catalyst and process, an ideal technology for areas like Saskatchewan that have limited water resources but significant biomass and hydrocarbon resources for feedstocks. Funding for the plant was provided by Western Economic Diversification and Saskatchewan Enterprise through the Western Economic Partnership Agreement.

Major research funding was also awarded to a number of faculty members in 2012.

Dr. Thomas Conroy, P.Eng. is conducting a \$30,000 experiment with Texas A&M to design a system to store raw sensor readings from neutron detectors in their research reactor. The data rates for each sensor are 500 megabytes per second, and the aim is to store up to 15 terabytes per experiment per sensor.

Dr. Fanhua Zeng, P.Eng. received a Canada Foundation for Innovation (CFI) equipment grant for work in petroleum systems engineering to establish a state-of-the-art three-dimensional (3-D) physical and computational reservoir modelling laboratory for developing environmentally friendly and economically viable technologies for heavy oil recovery. The total funding for this project is about \$530,000, with 40 per cent contributed from Canada Foundation for Innovation (CFI).

Dr. Gordon Huang received \$662,873 from the CFI for his research on climate modelling. His new project, called Western Canadian Climate Modelling and Environment Analysis System (CMEAS), is the first multi-disciplinary effort in Canada to analyze and examine mitigation of regional water stress in the Prairies due to climate change effects.

Dr. Amr Henni, P.Eng. received a total of \$449,477 in funding from Western Economic Diversification (WED), Enterprise Saskatchewan, and the Petroleum Technology Research Centre to build equipment for testing the application of new commercial polymeric membranes in the reclamation of produced water from oil production. The objective is to find a more cost-effective system to reclaim produced water and potentially turn it into an asset by making it usable and possibly even potable as opposed to an expensive by-product.

Finally, Engineering and Applied Science faculty members also received a total of \$2 million in grants from the Petroleum Technology Research Centre.

Student Activities

Student groups continued to demonstrate strong volunteerism and community spirit as well as excellence in engineering.

A team of Software Systems Engineering students and an Electronics Systems Engineering student took first prize in the HackRegina competition held in September 2012. Teammates Tylor Froese, Karlee Stein, Brian Schweitzer and Stuart Martin received the top award for their program “Audioswarm,” which enables bar and pub patrons to add songs to the pub’s playlist from their smart phones. Kyle Ivey, a fourth-year student in Software Systems Engineering, also took the top prize for the best City of Regina app, which involved migrating existing City of Regina transit data into the open source project OpenTripPlanner to produce an improved transit planner for visitors and residents of Regina.

The Society of Automotive Engineers (SAE) Cougar Racing team had a tremendously successful season in Baja competitions in 2012. The team finished in third place in a four-hour endurance race at a competition in Portland, Oregon, and took second place out of 114 in a bog race later in the year in Madison, Wisconsin.

University of Regina Engineering and Applied Science students also had a very good showing at the Western Engineering Competition in 2012. Kyle Smyth placed third out of 14 in the communication competition, and University of Regina Team One members Nick Phongsavath, Mason Tebb, Ryan Kinnear and Dylan Rush finished second out of 21 in the junior design competition.

Once again, the student Construction team had an impressive showing in 2012, taking home top awards for their design, including finishing third in the International People's Choice competition. Over the past four years, the U of R Construction team has donated more than 17,500 cans of food to the Regina and District Food Bank and received top design awards every year.

Accreditation

All five undergraduate programs underwent the accreditation process in 2012, and the initial feedback from the visit was very positive. The final results of the accreditation review are anticipated in June 2013.

Closing

In closing, 2012 was another successful year for the Faculty of Engineering and Applied Science at the University of Regina. Our faculty continues to grow and make its mark in research and student success.

On a final note, a search is currently in progress for the next dean for the Faculty of Engineering and Applied Science. It has been my honour to serve as the dean of this incredible faculty since 1999. I wish to express my gratitude to all of the faculty, staff and students of the Faculty of Engineering and Applied Science at the University of Regina for making my deanship a success.

Respectfully submitted,

Paitoon Tontiwachwuthikul, Ph.D., P.Eng.
Dean

Faculty, Staff and Students

After almost 10 years of rapid increase in undergraduate enrolments in Geology as illustrated in the table below, the department was finally able to hire two new faculty members in 2012. The department welcomed Dr. Osman Salad Hersi as a tenure-track associate professor and Dr. Tsilavo Raharimahefa as a three-year term lecturer in July 2012. Dr. Osman Salad Hersi's research focus is on sedimentology and stratigraphy with applications to oil/gas explorations. Dr. Tsilavo Raharimahefa brings to us his expertise in structural geology and tectonics.

With the addition of these two new members, our faculty now numbers 11, including two laboratory instructors. The daily operations of the department are handled by administrative and technical staff. In addition, 11 adjunct professors continuously played a vital role in teaching undergraduate courses and assisting in supervising undergraduate and graduate thesis projects.

As of the end of December 2012, the department had 138 declared undergraduate Geology majors. This number does not include students who are in the process of transferring from other programs to a Geology major or the joint Geology/Geography program at the university. The table below illustrates the growth trend of Geology undergraduate students over the years.

Number of Undergraduate Students

YEAR	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	36	46	51	71	88	105	105	116	129	138

In 2012, Geology had five Ph.D candidates, 19 M.Sc. students and one B.Sc. honours student. In addition, the department hosted five visiting scholars, working with our faculty members on various research projects.

Undergraduate and Graduate Programs

The department offers B.Sc., B.Sc. Honours, B.Sc. with co-op designation, M.Sc. and Ph.D degree programs. All undergraduate students who completed our Geology program are eligible to apply for professional accreditation with the Association of Professional Engineers and Geoscientists of

Saskatchewan. The Geology academic program was reviewed throughout the year as a part of the university's academic programming evaluation.

Two field courses, one to Eastend and the Dinosaur Provincial Park in Alberta and the other to Flin Flon in Manitoba, were successfully organized for our third- and fourth-year students. As well, some individual courses conducted field trips to sites including to the Royal Saskatchewan Museum, Subsurface Geological Laboratory, T.C. Douglas Building and Eastend as part of laboratory requirements of undergraduate courses.

In 2012, the department supported two Geology undergraduate students to attend a student exchange program with the Oil and Gas University of Ivano-Frankivsk in Ukraine. This program is sponsored by the Office of Energy and the Environment at the University of Regina.

Research

In 2012, three faculty members (Qing, Coulson, and Chi) and one adjunct professor (Normand) held four NSERC Discovery grants. Our faculty members also received a number of research grants from industry and government agencies, including three from the Petroleum Technology Research Centre (Qing and Bend), one from Geological Survey of Canada (Bethune and Chi) and four from the Saskatchewan Ministry of the Economy (Chi, Hersi, and Qing). In addition, Dr. Bend received approximately \$1,445,700 in the form of in-kind contributions (\$903,600 of software donation and \$542,160 software maintenance donation) from Schlumberger for the modelling lab in Geology.

Over the course of 2012, the department organized 16 research seminars presented by graduate candidates and adjunct professors in the department. Moreover, the department invited two nationally distinguished lecturers and one guest speaker from the Ministry of Economy for presentations on carbonatitic magmatism, Precambrian geology, and metal mining.

Faculty Members' and Students' Achievements

Dr. Chi was awarded the 2012 Canadian Society of Petroleum Geologists Volunteer Award. This award will be presented in Calgary at the 2013 GeoConvention.

The 2012 APEGS Gold Medal from the Association of Professional Engineers and Geoscientists was awarded to Mr. Chase Robertson Wood based on his remarkable academic achievement and leadership qualities in the Department of Geology. This award was announced at the U of R's 2012 Spring/Summer convocation.

Ms. Elysia Schuurmans was a recipient of two awards: Geological Association of Canada Award and D.M. Kent Consulting Geologist Ltd. Prize.

The R.L. Milner Memorial Award, the student prize of the Mineralogical Association of Canada and the bursary of the Canadian Association of Petroleum Producers were awarded to Mr. Ian Mansfield, Mr. Jason Bot and Mr. Andrew Brittner respectively.

The recipient of the APEGS 2012 Book Prize was Ms. Tarryn McNaughton.

A poster entitled "Petrographic Geochemical and Structural Analysis of Outcrop ALSV-12 in the Amisk Lake Gold Deposit Saskatchewan" prepared by Van de Kerckhove, Chi, Bethune and McNamera received the Best Undergraduate Student Poster Award at the Annual Open House in Saskatoon in December 2012.

Geology Students Association

The student society in Geology, the D.M. Kent Club, was active throughout the year with its resources mainly focused on supporting and organizing students' professional activities. The D.M. Kent Club organized and hosted the 2012 Western Inter-University Geosciences Conference (WIUGC) with attendance of 120 undergraduate students from the universities across western Canadian provinces. In addition to student talks, seven geologists from the industry were invited for presentations at the conference. The D.M. Kent executives also funded seven undergraduate students to attend the PDAC International Convention, Trade Show and Investors Exchange in Toronto in March.

Respectfully submitted,

Hairuo Qing, Ph.D., P.Geo.
Professor and Head

Regina Engineering Society

The mission of the Regina Engineering Society (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 shall be to promote the objectives and interests of the engineering profession in close co-operation with APEGS:

- To develop and maintain high standards in the engineering profession.
- To facilitate the acquirement and the interchange of professional knowledge among its members.
- To advance the professional, social and economic welfare of its members.
- To enhance the usefulness of the 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 co-operate with other technical societies for the advancement of mutual interests.

RES Fiscal Year and Executive

The RES fiscal year runs from June 1 to May 31. The RES AGM was held in conjunction with the annual golf tournament on June 8, 2012. The 2012-2013 RES executive was introduced at the AGM and is as follows:

- President, Greg Stephenson, P.Eng.
- Vice-President, Jamie Kilkenny, Engineer-in-Training
- Past President, Deanne Cannon, Engineer-in-Training
- Treasurer, Deanne Cannon
- Secretary, Lisa Vindevoghel, Engineer-in-Training
- Technical Presentations, James Holtom, P.Eng.
- Communications, Deborah Mihial, P.Eng.
- Website, Deborah Mihial
- Membership, Jamie Kilkenny
- Merchandise, VACANT
- Social, Anthony Quach
- Horizons Dinner, Jamie Kilkenny and Greg Stephenson
- University of Regina, Rob Jones, P.Eng.
- RESS, Jason Whitelaw
- APEGS, Margaret Anne E. Hodges, P.Eng., FEC
- CSCE, Brent Miller, P.Eng.
- RGG, Paul Walsh, P.Eng.
- IEEE, Ian Sloman, P.Eng.

The first meeting of the fiscal year was held in September 2012 where Sandra Sagal was voted in for the position of Membership and Merchandise. Chad Bialobzyski, P.Eng. was also voted to take over the Social position from Anthony Quach.

Awards and Scholarships

The RES recognized two deserving professionals for their commitment and service to the engineering community. The 2011-2012 Engineering Excellence Award was presented to Steve Kemp, P.Eng. and the Volunteer Service Award recipient was Ken Wiens, P.Eng.

The Regina Engineering Society awarded five students with scholarships, each valued at \$500. Four scholarships were given to engineering students at the University of Regina. One scholarship was presented to a SIAST Palliser Campus engineering technology student.

The RES also provided support to the Regina Regional Science Fair. Congratulations once again to these well-deserving students.

Saskatoon Engineering Society

RES Events

The RES strives to bring out our members in social activities throughout the year. The RES held a successful Night at the IMAX featuring Tornado Alley on April 15, 2012 at the Kramer IMAX Theatre. Our highest turnout of 139 people was in attendance to enjoy the film.

The 2011 Engineering Horizons Dinner was held following National Engineering Week at the Conexus Arts Centre on March 6, 2012. The event featured Dorian Wandzura, P.Eng., from the City of Regina as the keynote speaker. Wandzura presented a discussion on “Ideas – Innovations and Cities.”

The RES Annual Golf Tournament is one of the best attended and most anticipated events put on by the RES. Due to the higher attendance for this event, a shotgun start was used for the second time. Once again, prizes were awarded for longest drive, closest to the pin and longest putt as well as many more door prizes, thanks to the overwhelming generosity of sponsors.

To introduce the new executive to the membership, a Meet the Executive beer and pool night was held on November 14, 2012. This was a successful evening of fun and socializing, with many engineering students and future members in attendance.

Sponsorships and Support for External Events

The RES once again assisted the University of Regina Faculty of Engineering Senior Project Presentation Day which showcases engineering students' projects.

The RES also either provided funds or volunteers for the Women's History Month Reception, SIAST Industry and Development Dinner, EYES camp, APEGS PPE Seminar and Engineers Without Borders.

The RES would like to thank APEGS for its continuing support and guidance.

Respectfully submitted,

Greg Stephenson, P. Eng.
President

The 2011-2012 year saw a committed group of volunteers who met monthly as the executive team for the Saskatoon Engineering Society (SES).

2011/2012 Executive Committee

- President - Satya Panigrahi, P. Eng.
- Vice-President - Ross Welford, P. Eng.
- Past President - Ashok Thakkar P.Eng.
- Treasurer - Tim Makahoniuk, P. Eng.
- Secretary - Jeremy Nelson, P. Eng.
- Director - Radhey Lal Kushwaha, P. Eng.
- Director - Andrew Lockwood, P. Eng.
- Director - Cathy Starkell, P. Eng.
- Director - Andrew Loken, P. Eng.
- Director - Helen Song, P.Eng.
- Director - Rajan Kannabiran, P.Eng.
- Director - Ljilijana Nedeljkovic, P.Eng.
- Director - LeRoss Calnek, P.Eng.
- Director - Jeremy Hildebrand, Engineer-in-Training

Appointed Representatives

- APEGS Liaison Councillor: Doug Drever, P. Eng.
- College of Engineering: Rick Retzlaff, P. Eng.
- Student Representatives: Mia Sainsbury and Rebecca Steffenson

Over the years, our members have supplied us with feedback through surveys and other channels which helped guide the work of the executive committee.

Important Events

SES bowling event and Christmas mixer at Eastview Bowl: We held this social event on December 11, 2011. It was well attended by SES members and families in Saskatoon.

APEGS MLA reception: On December 12, 2011, SES participated in this annual APEGS event in Regina where we introduced our activities to Saskatchewan MLAs.

Student Paper and Design Competition Night: The 2012 Engineering Innovative Design and Student Paper Competitions were held in Marquis Hall at the University of Saskatchewan. This event was jointly organized and sponsored by SES, the College of Engineering, the university's Office of the Vice-President Research, and APEGS. Over 100 people attended the banquet and competitions.

The innovative design competition was won by the student team from Electrical Engineering consisting of Richard Aramenko, Tyler Ayers, Dan Barbour and Luke Brisebois with their design of a model airplane detector. The student paper competition was won by the student team from Engineering Physics consisting of Robert Bauer, Matt Kozun, Barrett Taylor and Daniel Zawada with their presentation of an optical pointing system for the OSIRIS developmental model.

National Engineering Week: As a part of National Engineering Week, the Saskatoon Engineering Society was proud to host our annual 2012 Industry Celebrating Excellence Event at the Saskatoon Club. A special thanks to all the companies for setting up display booths and to all attendees for making this event a great success. We had an attendance of over 60 people.

Mentoring

The mentoring program between the University of Saskatchewan Students and the SES did not occur this year due to scheduling conflicts with other ongoing events.

Noon Hour Seminar Series

The SES organized several noon hour presentations at the Atrium Building in

Innovation Place. Topics included the Circle Drive South Bridge Project, electrical energy savings opportunities and enhancing communication skills. Thanks to the executive members who gave these presentations.

New Website Development

SES launched a new website and it is in operation at www.saskatoonengineers.com. Because of privacy concerns, we are not allowed to get a complete member list from APEGS, so we rely on SES members self-registering on the website to gain access to receiving our announcements about upcoming events and initiatives.

2012 SES Awards

- SES Educator of the Year – Dr. David Sumner, P.Eng., University of Saskatchewan
- SES Engineer of the Year – Kevin Boychuk, P.Eng., Mosaic

The SES executive would like to thank all of the members who provided input and attended our events. I am thankful to APEGS staff for their support and help. I would also like to thank the members for allowing me to represent them.

Respectfully submitted,

Satya Panigrahi, P.Eng.
President

Moose Jaw Engineering Society

The Moose Jaw Engineering Society (MJES) had limited events in 2012. We started the year very late in the season by reviving our annual golf tournament which took a one-year leave in 2011. The golf tournament was held on August 25 at the Deer Ridge Golf Course. Twenty participants took part in very windy conditions, with MJES members Eric Light, P.Eng., Tim Jansen, P.Eng. and their guests bringing in the low score of 10 under par. MJES wants to thank all of the participants and sponsors for making the tournament a great success and encourages all members to come out for fun and fellowship again next year.

APEGS held Professional Development Days in Moose Jaw on November 1 and 2 and both days were well attended. The MJES was appreciative that Moose Jaw was chosen as the host community and we were happy to help with organizing the social activities. We had a very minor role as the organizing committee led by Doug Thomson, P.Eng. superbly handled the daytime events and Angela Foster and Erin Poworski volunteered at the end of their long days to assist us with the social event.

On Saturday, November 3, the APEGS Volunteer Orientation Day was also held in Moose Jaw. Based on the success of that event over the last two years, it has been given an annual budget and organizing committee. I'd like to lobby the new committee and mention that even though this event has already been held twice in Moose Jaw, as a new committee you don't want to mess with what has been working, and Moose Jaw seems to be working.

The MJES would finally like to thank the Connection and Involvement Committee as well as that committee's Chair, Robert Schultz, P.Eng., for efforts in recent years in improving the communication between their committee and the constituent societies. We would also like to thank them for their support in implementing the recent changes that have been made to annual funding for the constituent societies. In the 10 years that I have been involved with the MJES, it has been a topic at every annual meeting that we need to get APEGS to make changes to improve our funding. The changes we have been wishing for will now take effect in the 2013 budget.

For those not familiar with these changes, an active constituent society previously received from APEGS \$10 per member residing within the constituent society's boundaries. The resulting operating grants were roughly: Moose Jaw, \$800; Regina, \$12,500; and Saskatoon, \$16,500. The change to a fixed annual grant will see us and the other small societies receive \$4,000,

the mid-sized societies \$9,000 and the larger ones \$15,000. We anticipate this will be the most important change to ever happen to our society, that it will improve our viability and visibility, and may even help to revive some of the smaller inactive societies. We also anticipate the very first improvement resulting from the change will be to the scholarships we support.

Respectfully submitted,

John Conway, P.Eng.
President

Saskatchewan Geological Society

It was an active year for the Saskatchewan Geological Society which presented a full schedule of events and activities. The core of our activities is the luncheon speakers program, organized by our program Chairs who provided a regular schedule of about one quality speaker per month in the spring program and again through the fall.

We organized another successful field trip, this year to Willapa Bay in Washington State.

The society social events are always popular. The annual curling bonspiel was held at the Tartan Curling Club in March. This non-competitive event was followed by a pizza dinner and was enjoyed by all. The annual golf tournament and barbecue took place in early September. It was well attended and everyone seemed to enjoy themselves.

The society continued in its student outreach program by hosting Student Careers Nights at the University of Regina in the spring and in Saskatoon in conjunction with the Saskatchewan Geological Survey Open House. APEGS and the Saskatchewan Mining Association were co-sponsors for these events.

The annual Student Poster Contest was also held in conjunction with the Open House. The student membership numbers have continued to increase.

The society's website, www.sgshome.ca, has been kept regularly updated by our current secretary. The website contains a publication list, membership forms, merchandise with pictures, current and archived Rock Records, and much more. Please check it out.

I would like to end by thanking the many people who contributed their time and effort toward the society's activities.

I would also like to thank the Chairs of the society's committees and subcommittees for their work and commitment.

Last but not least I would like to thank the Ministry of Energy and Resources, and more specifically the Saskatchewan Geological Survey (SGS), for its support through its long-term policy that allows employees to use some time to work on society-related matters. The SGS's mandate includes public geosciences outreach and professional development. Since our association relies heavily on the involvement of SGS and some other ministry personnel, society activities would be greatly diminished without this support.

I would like to take this opportunity to thank Murray Rogers for his tutelage and guidance as past president. He helped in keeping me focused and on task. Thanks for all your help!

I would like to wish the 2013 executive success in running the society in the coming year.

Respectfully submitted,

Gavin K.S. Jensen, P.Geo.
President

Consulting Engineers of Saskatchewan

The Consulting Engineers of Saskatchewan (CES) is a not-for-profit association representing the business interests of the majority of consulting engineering and consulting geoscience firms in Saskatchewan. CES represents over 60 member firms that employ approximately 2,400 professional, technical and support personnel that provide local, regional, national and international engineering and geoscience services. A number of associate member firms from related interest groups augment the role of CES. Consulting Engineers of Saskatchewan is a member of the Association of Consulting Engineering Companies – Canada (ACEC) and is affiliated with the International Federation of Consulting Engineers (FIDIC).

The objectives of CES are, in part:

- To assist in promoting satisfactory business relations between its members and their clients.
- To promote cordial relations among the various consulting engineering and geoscience firms in Saskatchewan and to foster the interchange of professional, management and business experience and information among consulting engineers and consulting geoscientists and, when necessary, to safeguard business interests.
- To further the maintenance of high professional standards in the consulting engineering and consulting geoscience professions for the public good and to promote a satisfactory business relationship between the members of CES and their clients.
- To promote the employment of member firms for engineering and geoscience services in the province of Saskatchewan.
- To promote quality workplace environments for employees including growth opportunities, training and development for the future success of both the employee and the member firm.
- To develop regional representation and participation in the affairs of CES.
- To operate in liaison and harmony with the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

CES fulfills these objectives through various channels, including:

- Promotion of the “Best Practice” for Selecting a Professional Consultant, which encourages selection of consultants based on their qualifications.
- Continued consultations and discussions with all levels of government, ministries and agencies regarding issues affecting the industry.
- Providing an annual Schedule of Recommended Fees for Consulting Professional Engineers and Geoscientists.
- Maintaining task groups and subcommittees with a specific focus, including Human Resources, Consultant Selection Policy, Transportation, Buildings, Environment/Water Resources, Communications, and the Young Professionals Group.
- Promotion and distribution of the CES Membership Directory.
- Maintain an online presence for the benefit of CES members.
- Dialogue with the Premier and cabinet, as well as the Official Opposition, in a forum for sharing information and discussion about the industry to promote economic growth for the province and the industry.

The CES Awards Program including:

- The Brian Eckel Awards, which provide member firms with an opportunity to showcase projects reflecting the talent, expertise and innovation of the individual firm and its staff;
- The Lieutenant Governor of Saskatchewan Meritorious Achievement Award, which recognizes a Saskatchewan resident for outstanding achievements and contributions to the consulting engineering and geoscience industry in Saskatchewan, whether technical or managerial in nature, and taking into consideration the individual’s contributions to business and society;
- The CES Young Professional Award, which recognizes achievements of a young professional who demonstrates excellence in his/her field of expertise and in the business of consulting engineering/geoscience; dedication to his/her consulting engineering/geoscience association and community; and contributing to an increasing awareness of the value of young professionals in the Saskatchewan consulting engineering/geoscience industry;

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- The CES Road Show which provides an opportunity for member firms submitting entries in the Brian Eckel Awards of Excellence program to showcase their projects and the expertise of their firm and staff at a number of public venues throughout the year. CES appreciates the opportunity to showcase the CES Awards at APEGS events;
 - The Brian Eckel Memorial Scholarship, which was created by family, friends and member firms of CES in memory of Brian Eckel, a long-time member and active participant in the consulting engineering and consulting geoscience industry in Saskatchewan. The scholarship recognizes academic performance and community volunteerism of students pursuing a Bachelor of Science in Engineering degree at the College of Engineering at the University of Saskatchewan.

Continued development of more consistent engineering/geoscience consulting selection practices and contracting policies across government, including the development of a Standard Professional Services Agreement through the Consultant Selection Policy Working Group and input into a standardized procurement process document.

Active participation in Engineering and Geoscience Week in Saskatchewan (and National Engineering Month) activities.

Liaison with affiliated organizations such as the Saskatchewan Construction Association, Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), Saskatchewan Heavy Construction Association, Saskatchewan Association of Architects, Saskatchewan Urban Municipalities Association, Saskatchewan Mining Association and others in support of common goals and activities.

Coordination and participation in networking and professional development events for the benefit of CES member and associate member firms, clients, suppliers and other industry-related groups.

Recommendations regarding infrastructure and human resource needs to assist with sustaining provincial economic growth.

Advocacy on a number of issues, including the New West Partnership Trade Agreement and its potential impacts on the consulting engineering and consulting geoscience industry and society as a whole.

CES continues to grow and succeed, thanks in part to the ongoing commitment of the volunteer board of directors whom I recognize for their efforts, including:

- Jason Gasmol, P.Eng., Vice-Chair
- Tara Reichert, P.Eng., Secretary-Treasurer
- Jason Mewis, P.Eng., Director & ACEC Liaison
- Marvin Loewen, P.Eng., Director
- Stormy Holmes, P.Eng., Director
- Shawna Argue, P.Eng., FEC, Director, P.Eng., Young Professionals Liaison
- Andrew Loken, P.Eng., FEC, APEGS Liaison
- Bland Brown, P.Eng., Associate Member Liaison

CES efforts on behalf of the industry are coordinated by, Beverly MacLeod, Executive Director, Elaine Armstrong, Executive Assistant, and Linda Nelson, Communications Coordinator. The dedication of our office staff and many member firm volunteers is the key to our success, and is greatly appreciated.

For more information contact the CES office at (306) 359-3338 or refer to the CES website at www.ces.sk.ca.

Respectfully submitted,

Mel Leu, P.Eng.
Chair of the Board of Directors

Saskatoon Engineering Students' Society

The Saskatoon Engineering Students' Society (SESS) supports the academic, social and professional development of students. Our main goal is to make the student experience well-rounded and altogether more memorable. We were able to do all of these things with the help of the Association of Professional Engineers and Geoscientists of Saskatchewan.

Monthly Seminars

This year we sponsored seminars each month to offer more educational tools to our students. So far we have had topics on financial management and entrepreneurship with the help of Wieggers Financial. We also had a joint session with the Ore Gangue on APEGS report writing. This was a smashing success and very useful.

Finally we will be running a session inspired by a session at this year's Canadian Federation of Engineering Students (CFES) Congress run in part by the University of Regina. This will be a round table and discussion on burnout where students feel the pressure of their studies and extracurricular activities and start to feel incapable of moving forward. This is unfortunately more common than expected, especially in executives of students' societies.

Each session has been incredibly helpful in its own way and will be continued into the future.

WESST EM – Winnipeg, Manitoba

Western Engineering Students' Society Team (WESST) Executive Meeting is a small conference held in early May to transition new executive of student societies into their positions. With the help of APEGS funding, we were able to send four of our executive: our incoming and outgoing presidents, the new VP External Affairs and the incumbent in the newly created position of VP Logistics.

WESST Retreat/Olympics – Calgary, Alberta

WESST Retreat and Olympics is the Annual General Meeting of WESST. This weekend acts as a crash course in Robert's Rules of Order for younger students and a good glimpse into student politics for those who are a little

more experienced. Our new executive was elected here and future conference locations were chosen. This year there was a morning of seminars and sessions focusing on how to properly take full advantage of WESST and other student organizations.

NCWIE – Montreal, Quebec

The National Conference for Women in Engineering is an annual conference put on in part by the CFES. This conference brings to light diversity in the workforce and road blocks we have all had to overcome to get to where we are now. This year the focus moved from women in engineering to diversity in engineering. There were speakers on behalf of POWE (Providing Opportunities for Women in Engineering), the LGBTQ communities and NSBE (the National Society for Black Engineers). We really like where this conference is going and the possibilities of where it can be taken in the future, and for that reason the University of Saskatchewan prepared a bid to host the conference in the upcoming years.

CFES Congress 2013 – Waterloo, Ontario

The two days of sessions and networking were very useful, with subjects ranging from "Dressing Up and Dressing Down" to "Risky Business: Difficult Situations and How to Handle Them." This year also marked the beginning of a new program called "Leadership Starts Here," where junior students could go and learn soft skills like networking, communication and strategic planning.

The next two days included sessions but my focus was on plenary. A motion was passed to allow for smaller schools to apply for subsidized travel costs in order to get a single representative to Congress. Where some of these schools do not even have the funding to send one representative, the CFES came together and worked out the logistics of setting up a trial fund for next year.

The major news comes in the announcement that the University of Saskatchewan will be hosting NCWIE 2014. As well as hosting a national conference we now also have the U of S represented in the newly elected national executive. Ellen McLaughlin won the position of VP Services to begin in March.

Saskatoon Engineering Competition

This competition hasn't taken place in four years so after much discussion

the SESS decided it was time to revamp this idea. We started small, with four teams in a design challenge and four teams in a debate tournament. Judges came from the school, industry, sponsors and APEGS. All in all it was a grand success and will only grow next year. We are working towards a system where eventually competitors must compete in SEC in order to qualify for WEC.

Western Engineering Competition – Calgary, Alberta

WEC is a chance for the Western schools of Canada to gather their best and brightest together to compete and display engineering principles. Competition categories range from design to debate and everywhere in between. The top two teams in each competition move on to compete in CEC. This year WEC was focused on water resources and water use. WEC was fully attended in all competition categories, with our engineering consulting team placing first and our senior design team placing second in their respective competitions.

Canadian Engineering Competition – Vancouver, British Columbia

CEC is the Canada-wide equivalent of WEC. Here, the winners of each regional competition compete again in a new set of trials to try and attain gold! The Western Engineering Competition, the Ontario Engineering Competition, the Competition d'Ingénieurs de Quebec and the Atlantic Engineering Competition all supply their top two teams to this competition. It is an honour to have two teams from the U of S compete this year. Although neither placed in the CEC, we can still feel proud that they are among the smartest and most well-rounded in all of Canada!

IEEE Illumination

Illumination is a local conference organized by Electrical Engineering students. It brings together students, industry and renowned speakers, all seeking to better themselves through continued learning. The APEGS funding for the annual IEEE Illumination Conference this year was used to broaden the scope of the conference. The conference theme this year was Sustainability, and while there were presenters from outside of the province, there was also an increase of industry members in attendance. Every year, Illumination invites industry members and sponsors to network with the students.

ChESS

With the assistance of APEGS, seven students were able to attend the 62nd Canadian Society for Chemical Engineering Conference in Vancouver. The conference brings together over 1,000 professionals and 300 undergraduates and provides tremendous learning and networking opportunities. The conference offered a number of keynotes, lectures and panel discussions surrounding sustainability in chemical engineering. It provided an exposure to topics not typically seen in our program, but that are a critical part of successful engineering. This opportunity would not be possible for our students without the support of organizations like APEGS.

¼ Scale Tractor

Without the generous support of APEGS, the U of S Sled Dogs ¼ Scale Tractor Team's success in 2012 would not have been possible. The funding received represented approximately 11 per cent of the team's annual budget, all of which is made up of generous funding from sponsors like APEGS. Along with purchasing steel, aluminum, and off-the-shelf parts, the money also allowed 15 students and two tractors to attend the ASABE International ¼ Scale Tractor Student Design Competition held in Peoria, Illinois. The A-Team's brand new design placed sixth overall, was voted Best Appearance, and had second place finishes in manoeuvrability and several design judging categories. The X-Team modified the existing 2011 tractor and placed ninth overall and third in the pulls. With the Sled Dogs' strong success in the past few years, interest in the team has grown enough that the 2013 season will mark the first time any school at competition will be submitting two brand new tractors. The team is excited to once again work with APEGS, and hopes to do the U of S and the province proud at the 2013 ASABE competition.

Canadian Society for Civil Engineering – Student Chapter

This year the Saskatoon student chapter along with the local professional society of the Canadian Society for Civil Engineering held a professional meet and greet. Here students were able to interact and network with local industry professionals over a casual light supper. This networker acts as a great tool for making connections for possible employment opportunities as well as professional connections once students become part of the engineering workforce.

Regina Engineering Students' Society

University of Saskatchewan Space Design Team

The University of Saskatchewan Space Design Team has continued to restructure itself over the previous year. This restructuring has allowed the team to continually grow in membership (approximately 45 members from 10 disciplines across campus) and organization. Last year the Canadian Satellite Design Challenge ended. After placing third in the critical design review, the team was unable to complete the construction in time for the challenge deadline. During this time all members gained large amounts of experience and knowledge, and developed skills not gained through any classes. The team has once again decided to move on to a different aspect of space technology. They have begun the design of a lunar excavator and hope to participate in the NASA Lunabotics Mining Competition.

For more information on any of these student groups or conferences, please feel free to contact Ellen McLaughlin, VP External of the Saskatoon Engineering Students' Society. Once again I extend a huge thank you for all funding and scholastic aid provided by APEGS.

Respectfully submitted,

Ellen McLaughlin
VP External Affairs

The mission statement of the Regina Engineering Students' Society (RESS) is to promote professional development, good fellowship and engineering spirit among our members. It is through our continued partnership with APEGS that we are able to succeed in pursuing our mission.

Events that APEGS helped make possible with their continued support include the Annual Year 1 to 4 Reception; the Regina, Western, and Canadian Engineering Competitions; the Canadian Federation of Engineering Students' Congress and presidents' meetings; National Engineering Week; Engineers Without Borders (EWB) National Conference; Canstruction; Cougar Racing; and APEGS report writing and registration seminars for students.

These events included engineering design challenges, in which our students competed on every level from local to national, as well as conferences where core values and ethics of engineering were imparted. They also included community work that directly benefits our local city and province as well as international work through programs like EWB.

Our entire student body benefits either directly or indirectly from our association with APEGS. This has helped us to grow and develop as young engineers. It is for all these reasons that the engineering students of the University of Regina would like to extend our greatest thanks.

Respectfully submitted,

Jason Whitelaw
VP Professional Affairs

D.M. Kent Club of Geology

Over the past year, the D.M. Kent Club of Geology at the University of Regina has seen and experienced growth, improvement and success. The enrolment in the Department of Geology has significantly increased, and with that there is increased interest in the geosciences at the U of R, more specifically the Kent Club. With the increase in student numbers and upturn in interest, the club has had a successful year thus far, having the opportunity to host and attend a variety of both educational and social events.

The school year started off with a “Meet and Greet” event. Throughout the remainder of the semester, the primary educational events included the biweekly to monthly luncheons hosted by the Saskatchewan Geological Society. We were also very fortunate to have Kate MacLachlan, P.Geol. give an APEGS seminar presentation regarding the Geoscientist-in-Training application process as well as the correct and compatible classes we need to take for our degree.

In addition to the D.M. Kent Club of Geology, another geoscience student society has been created, the University of Regina Paleontology Club. This club was created to promote interest in paleontological research and to arrange more lectures and events associated with this field.

Currently, students at the U of R are only able to take one course in invertebrate paleontology, and would benefit from the opportunity to take a course in vertebrate paleontology as well. Paleontology is an interdisciplinary study, and whether someone is just an avid enthusiast or interested in fossil preservation and the fossil record, it is an essential component in geology. The club has started with great success and continues to grow.

Our next event was the Annual Halloween Bowling. Sixty people attended, including two teams from the Saskatchewan Geological Society, an alumni team, a team of professors, and the remaining teams of students. This is always a stress reliever event, taking place after mid-terms and before non-stop November happens.

Following finals and term paper completion, the club executive renovated the club’s lounge. This was a challenge since it had never been done before. In the end and after many coats of paint and rearrangement of furniture, our lounge transformed from a cluttered social area to a clean and refurbished study area with new furniture and more room to accommodate the increased enrolment.

To celebrate the end of the semester and say goodbye to those students who completed their degree in December, we successfully hosted our first annual Ugly Christmas Sweater Party on the final day of the semester. Attendance by club members, alumni, family, professors and friends helped to move along the event which included a silent auction, raffle, visiting and Christmas carolling.

The New Year started with a bang as 14 U of R students attended the 49th Annual Western Inter-University Geosciences Conference (WIUGC) in Vancouver. The U of R successfully hosted this event last year, and we were even more appreciative to attend the conference in another province. We would like to thank APEGS specifically for providing financial support for this conference, as they made it possible for us to attend. WIUGC is a student-run conference that strives to increase interest in geosciences through workshops, seminars and career fairs. Highlights of this conference included participating in a tour at the Britannia Mine; participating in a gold panning and ore deposits workshop; attending various undergraduate, graduate and industry seminars and presentations; and partaking in a career fair with employers from across the country. The ultimate benefit of the conference was being able to interact and establish a network with professional geologists as well as fellow students.

Many other events are planned for the remainder of the year. Social mixers include Board Game Night, Hockey Night at the Outdoor Rink, a pool tourney, and “Geo”-party Night. For the second year in a row, we are sending 10 students to PDAC, which takes place in Toronto in early March.

Also in March, 15-20 students will be attending a potash mine tour at the Rocanville mine near Esterhazy. The group of students who attended a potash mine tour last year found it intriguing and educational, and recommended it for future years. Another conference is the Williston Basin Petroleum Conference (WBPC) which is in early May, where several undergraduate students will be volunteering in the workshops and seminars. Meanwhile, students will continue to attend the SGS luncheons and graduate presentations.

The final event of the year is the Annual Year-End Banquet where we bring in a notable industry geologist as keynote speaker and celebrate achievements from the past year.

Ore Gangue Students' Society

On behalf of the D.M. Kent Club of Geology, I would like to extend thanks to APEGS for its support and sponsorship over the past year. It is because of APEGS that the Kent Club has been able to improve our study area and to host and attend various events in relation to expanding geoscience interest and participation. The appreciation and acknowledgement of APEGS is proudly seen throughout the department and amongst club members. Students continue to benefit from the support of APEGS, and thrive in their academic and professional networks.

Respectfully submitted,

Ashlee Latimer
President

On behalf of our members, the Ore Gangue Students' Society executive would like to thank APEGS for its support in 2012. With this continued support, the student experience at the University of Saskatchewan has continued to improve over the years. We would like to acknowledge the benefits APEGS has provided to our students' educational and professional experiences. With financial help from APEGS, the Ore Gangue was able to host and attend many educational events and field trips.

Western Inter-University Geosciences Conference (WIUGC) 2012 was held in Regina. It was a great opportunity for students to network with industry professionals and take part in talks and seminars given by fellow students. With the financial support given by APEGS, the Ore Gangue was able to cover the cost of transportation for the 25 students who attended the conference. The conference was a great success and the Ore Gangue would not have been able to send the number of students that we did had it not been for the support given by APEGS.

In February 2012, the Ore Gangue was able to send 15 students to visit the core lab in Calgary, Alberta. This Core Lab is the biggest in Canada and this was a great opportunity for students to learn more about the petroleum industry.

In October 2012, 15 students and two teaching assistants spent the Thanksgiving long weekend together in Canmore, Alberta doing what geologists do best: looking at rocks. This was a great field trip and all of the students had nothing but good things to say about it. It was a perfect learning opportunity, and students were able to understand their studies in a field context. A short report, with pictures of the trip, was provided to Student Development Committee members. With the help of APEGS, the Ore Gangue is very excited to be able to make this field trip an annual event and it will now be known as the annual APEGS Canmore Field Trip.

With a continued focus on our students' educational experience, we are continuing the structured lab study sessions for students begun in 2010. The lab study sessions have been very successful and students have commented on how beneficial they are to their education. Teaching assistants are hired for two hours, which gives students more time to study and ask for help from the teaching assistants.

The Ore Gangue hosts many events to allow for socializing between fellow students and professors. Some of these include Bowling with the Profs, in-

lounge pubs, Hockey Night in Geology, curling, fundraisers, GeoTED student and professor talks and a year-end banquet.

We are very fortunate to be able to receive support from APEGS in order to further the educational experience for U of S geology students. Once again, on behalf of our student members, the Ore Gangue executive would like to thank APEGS for its continued support. The support from APEGS is greatly acknowledged and appreciated and allows students to exceed on academic and professional levels.

Respectfully submitted,

Rachel Krahn
APEGS Student Development Committee
Representative

APEGS Council 2011 - 2012



Standing left to right: Monte Gorchinski, CA, Andrew H. Loken, P.Eng., FEC, Tara Zrymiak, P.Eng., Deb Rolfes, Robert L. Cochran, P.Eng., John G. Pearson, P.Geo., Wadena D. Burnett, Engineer-in-Training, Ben F. Boots, P.Eng., FEC, Shawna L. Argue, P.Eng., FEC, J. Doug Drever, P.Eng., FEC, Larry J. Lechner, P.Eng., Margaret Anne E. Hodges, P.Eng., FEC, Francis Rieder, P.Eng., John A. Styles, P.Eng.,
Front Row Left to Right: Greg F. Vogelsang, P.Eng., P.Geo., Leon C. Botham, P.Eng., Peter J. Jackson, P.Eng., FEC, Dwayne A. Gelowitz, P.Eng., FEC, Terry A. Fonstad, P.Eng.

Financial Report

This is a summary of the unaudited financial statement of the Association to December 31, 2012. The auditor's report will be available at the 83rd Annual Meeting on May 4, 2013.

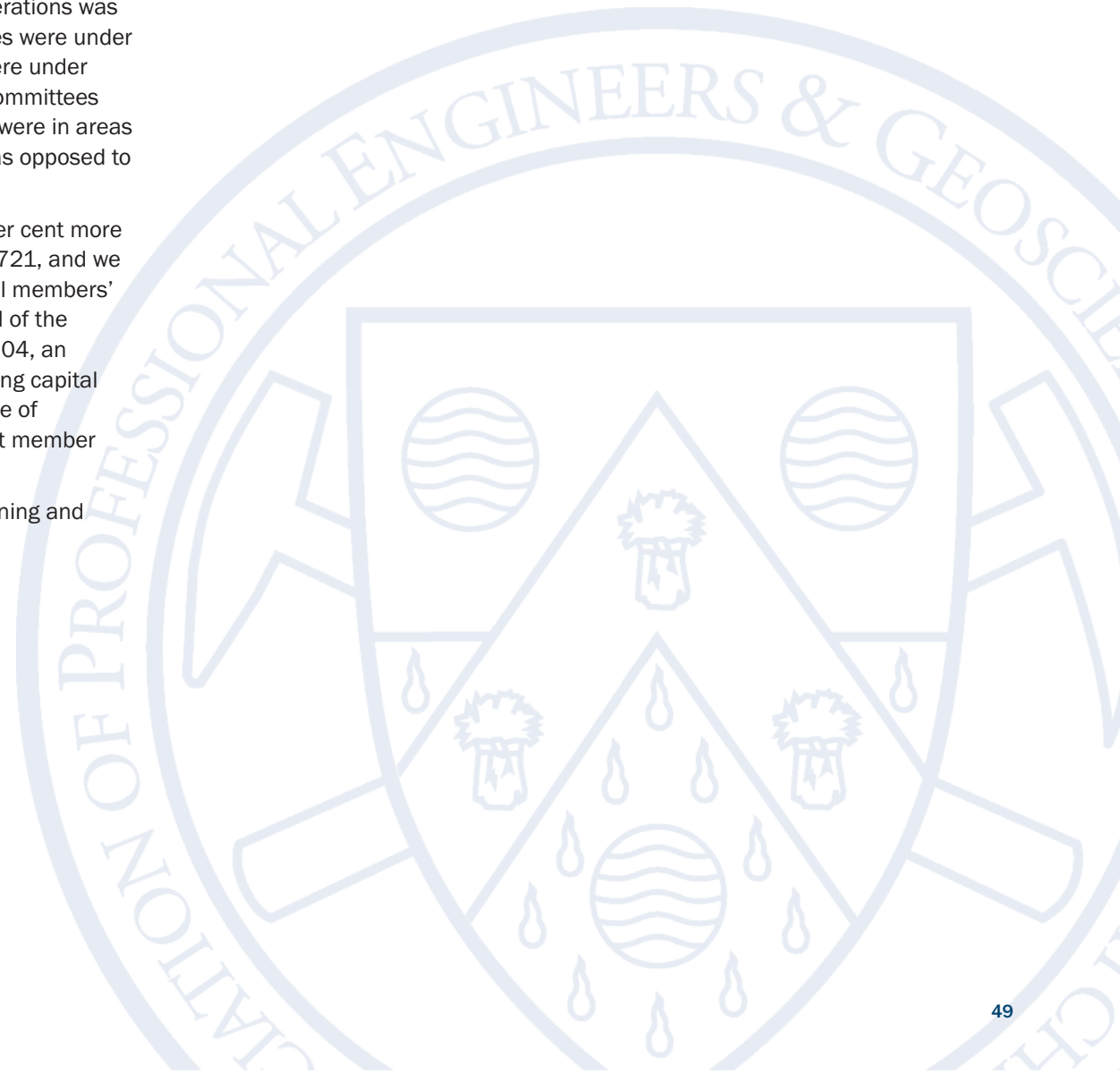
In 2012, expenditures were \$329,573 less than budgeted, an 8.8% underexpenditure. Executive Committee was under budget by \$48,573; Council and its committees were under budget by \$33,639; Operations was under budget by \$91,584; Governance Board and its committees were under budget by \$48,830; the Education Board and its committees were under budget by \$32,363; and the Image and Identity Board and its committees were under budget by \$74,584. Most of the underexpenditures were in areas where costs did not rise to the levels envisioned in the budget, as opposed to underexecution of planned activities.

Revenue was \$799,966 higher than estimated, which is 18.3 per cent more than the budget. The 2012 budget proposed a surplus of \$641,721, and we ended the year with a projected surplus of \$1,771,260. Our total members' equity at year-end is estimated to be \$6,020,114, and consisted of the projected surplus of \$1,771,260, retained earnings of \$2,420,304, an investigation and discipline training reserve of \$22,550, a working capital reserve of \$1,606,000 and a discipline and enforcement reserve of \$200,000. The strong sustained growth in our province has kept member numbers increasing; hence our revenue also increased.

Executive Committee is pleased to report that the financial planning and management of our Association continues to be sound.

Respectfully submitted,

Andrew Loken, P.Eng., FEC
Vice-President



Balance Sheet December 31, 2012 as of February 21, 2013 (unaudited)

ASSETS

Current Assets

Bank Operating Account	\$963,722.32
Bank Investigation and Discipline Training	22,454.09
RBC Dominion Securities Acct	10.19
Petty Cash	265.00
Investments	8,025,416.67
Accrued Interest	17,682.50
Accounts Receivable	15,441.01
Prepaid Expenses	82,954.02
Total Current Assets	<u>\$9,127,945.80</u>

Fixed Assets

Office Equipment	\$79,072.19
Accumulated depreciation	62,578.52
Net Office Equipment	<u>\$16,493.67</u>
Computer Equipment	\$80,078.87
Accumulated depreciation	72,035.55
Net Computer Equipment	<u>\$8,043.32</u>
Leasehold Improvements	\$147,874.24
Accumulated amortization	103,788.48
Net Leasehold Improvements	<u>\$44,085.76</u>
Other Intangible Asset	\$434,502.31
Accumulated amortization	183,687.93
Net Intangible Asset - Member Database	<u>\$250,814.38</u>
Total Fixed Assets and Intangible Asset	319,437.13
Total Assets	<u><u>\$9,447,382.93</u></u>

LIABILITIES AND MEMBERS' EQUITY

Current Liabilities

Accounts Payable & Accrued Liabilities	\$37,934.49
Accrued Vacations	197,250.27
Goods & Services Tax Payable	138,323.74
Prepaid Annual Dues	3,053,760.00
Total Current Liabilities	<u>\$3,427,268.50</u>

Members' Equity

Reserves	\$1,806,000.00
Reserves - Investigation and Discipline Training	\$22,550.09
Retained Earnings	2,420,303.88
Surplus/(Deficit) for period	1,771,260.46
Total Members Equity	<u>\$6,020,114.43</u>
Total Liabilities & Members' Equity	<u><u>\$9,447,382.93</u></u>

Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2012 as of February 21, 2013

	UNAUDITED 2012	BUDGET 2012	% OF BUDGET	AUDITED 2011
Revenues				
Membership Dues	\$3,680,827.15	\$3,281,365.00	112.17	\$3,387,908.20
Licence Dues	45,225.00	24,000.00	188.44	27,255.99
Certificate of Authorization	557,737.86	497,000.00	112.22	493,085.61
Registration Fees	450,699.01	280,100.00	160.91	407,544.87
Late Payment Surcharges	24,219.00	16,000.00	151.37	18,495.00
Advertising (Newsletter and Website)	107,151.63	85,000.00	126.06	115,596.31
Interest	103,631.80	50,246.00	206.25	57,185.25
Miscellaneous	2,410.86	1,000.00	241.09	2,079.59
Grants - WES Grant 2011/CCWESTT 2012	500.00	0.00	0.00	8,500.00
Professional Practice Exam & Seminar	142,228.34	116,500.00	122.08	132,000.89
Member Seal Fees	8,032.62	5,000.00	160.65	7,109.79
Association Functions (Womens History & Book)	41,014.07	7,500.00	546.85	14,771.18
Total Revenues	\$5,163,677.34	\$4,363,711.00	118.33	\$4,671,532.68
Expenditures				
Executive Committee				
Executive Committee	\$5,702.56	\$13,650.00	41.78	\$8,049.07
Liaisons	55,836.81	59,725.00	93.49	60,459.73
Government Relations	38,375.20	42,000.00	91.37	36,927.82
UofS/UofR Activities	8,983.95	11,800.00	76.14	10,217.54
Provincial Meetings	25,283.10	33,000.00	76.62	20,003.79
Elections	19,726.62	15,000.00	131.51	21,538.85
Annual Report	53,013.48	50,000.00	106.03	39,328.30
Engineers Canada	148,766.67	169,000.00	88.03	126,332.05
CCPG	30,563.14	40,650.00	75.19	34,081.00
Total Executive Committee	\$386,251.53	\$434,825.00	88.83	\$356,938.15
Council & Committees				
Council Meetings	\$148,687.39	\$195,150.00	76.19	\$139,911.34
Investigation Committee	50,911.22	40,250.00	126.49	32,525.29
Discipline Committee	10,903.78	10,850.00	100.50	560.92
Enforcement	6,909.09	4,800.00	143.94	3,494.60
Total Council	\$217,411.48	\$251,050.00	86.60	\$176,492.15
Operations				
Salaries	\$1,417,030.82	\$1,425,000.00	99.44	\$1,308,172.11
Fixed Asset Purchases	3,908.09	1,500.00	260.54	1,068.49
Depreciation	101,016.97	150,000.00	67.34	88,251.90

	UNAUDITED 2012	BUDGET 2012	% OF BUDGET	AUDITED 2011
Occupancy Costs	116,015.49	122,000.00	95.09	112,593.20
Professional Fees	23,031.80	47,000.00	49.00	32,872.23
Telephone	13,723.35	12,900.00	106.38	8,811.14
Other Operations Costs	325,839.53	333,750.00	97.63	299,955.27
Total Operations	<u>\$2,000,566.05</u>	<u>\$2,092,150.00</u>	<u>95.62</u>	<u>\$1,851,724.34</u>
Governance Board & Committees				
Governance Board	\$904.91	\$5,300.00	17.07	\$1,431.67
Legislative Review Committee	284.43	350.00	81.27	0.00
CEAB/CEQB Meetings	8,001.26	14,225.00	56.25	5,821.02
Experience Review Committee	67,027.45	46,150.00	145.24	53,207.86
Academic Review Committee/Interviews	10,514.18	36,900.00	28.49	15,615.14
Prof. Practice Exam Com./Seminar & Exam	138,838.71	160,820.00	86.33	125,689.79
Limited Member Admissions Committee	11,144.11	21,800.00	51.12	2,862.59
Total Governance Board	<u>\$236,715.05</u>	<u>\$285,545.00</u>	<u>82.90</u>	<u>\$204,628.07</u>
Education Board & Committees				
Education Board	\$4,626.80	\$10,040.00	46.08	\$16,143.92
Environment and Environmental Issues Committee	3,163.10	7,700.00	41.08	2,600.61
Professional Development Committee	19,434.02	43,200.00	44.99	39,369.18
Student Development Committee	94,379.58	80,700.00	116.95	43,433.89
K to 12 Committee	24,273.11	36,600.00	66.32	15,170.16
Total Education Board	<u>\$145,876.61</u>	<u>\$178,240.00</u>	<u>81.84</u>	<u>\$116,717.76</u>
Image & Identity Board				
Image & Identity Board	\$647.35	\$7,725.00	8.38	\$5,924.60
CPR Committee	108,901.90	126,800.00	85.88	124,127.63
Connection and Involvement Committee	148,102.47	164,480.00	90.0	133,544.28
Awards Committee	1,341.58	1,950.00	68.80	404.95
Professional Edge Committee	128,400.29	163,325.00	78.62	143,995.19
Equity and Diversity Committee	12,415.47	14,650.00	84.75	4,887.09
75th Anniversary/Centennial Task Group	0.00	500.00	0.00	384.98
Women's History Task Group	5,787.10	750.00	771.61	5,121.62
Total Image & Identity Board	<u>\$405,596.16</u>	<u>\$480,180.00</u>	<u>84.47</u>	<u>\$418,390.34</u>
Total Expenditures	<u>\$3,392,416.88</u>	<u>\$3,721,990.00</u>	<u>91.15</u>	<u>\$3,124,890.81</u>
Surplus (Deficit)	<u>\$1,771,260.46</u>	<u>\$641,721.00</u>		<u>\$1,546,641.87</u>

Investments & Cash Funds Month Ending December 31, 2012

COMPANY	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
RBC DOMINION SECURITIES INC.					
Bank of Nova Scotia GIC - Annual (1.800% Annual Yield)	Aug 29/11	Aug 29/13	1.800%	\$500,000.00	\$500,000.00
Canadian Western Bank GIC - Annual (2.000% Annual Yield)	Aug 29/11	Aug 29/13	2.000%	\$100,000.00	\$100,000.00
Home Trust Company GIC - Annual (2.050% Annual Yield)	Aug 29/11	Aug 29/13	2.050%	\$100,000.00	\$100,000.00
ING Bank of Canada GIC - Annual (1.800% Annual Yield)	Sept 19/12	Sept 19/13	1.800%	\$100,000.00	\$100,000.00
Korea Exchange Bank GIC - Annual (1.700% Annual Yield)	Sept 19/12	Sept 19/13	1.700%	\$100,000.00	\$100,000.00
Vancity Credit Union GIC - Annual (1.750% Annual Yield)	Sept 19/12	Sept 19/13	1.750%	\$100,000.00	\$100,000.00
Equitable Trust GIC - Annual (2.200% Annual Yield)	Aug 29/11	Aug 29/14	2.200%	\$100,000.00	\$100,000.00
Laurentian Bank GIC - Annual (2.050% Annual Yield)	Aug 29/11	Aug 29/14	2.050%	\$100,000.00	\$100,000.00
LBC Trust GIC - Annual (2.050% Annual Yield)	Aug 29/11	Aug 29/14	2.050%	\$100,000.00	\$100,000.00
AGF Trust GIC - Annual (2.050% Annual Yield)	Sept 19/12	Sept 19/14	2.050%	\$100,000.00	\$100,000.00
Montreal Trust CDA GIC - Annual (2.050% Annual Yield)	Sept 19/12	Sept 19/14	2.050%	\$100,000.00	\$100,000.00
Resmor Trust Company GIC - Annual (2.050% Annual Yield)	Sept 19/12	Sept 19/14	2.050%	\$100,000.00	\$100,000.00

COMPANY	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
TD Mortgage Corp. GIC - Annual (2.250% Annual Yield)	Dec 23/11	Dec 23/14	2.250%	\$600,000.00	\$600,000.00
Bank of Nova Scotia GIC - Annual (2.300% Annual Yield)	Aug 29/11	Aug 29/15	2.300%	\$300,000.00	\$300,000.00
Manulife Trust GIC - Annual (1.950% Annual Yield)	Aug 29/11	Aug 29/15	1.950%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (2.370% Annual Yield)	Dec 23/11	Dec 23/15	2.370%	\$400,000.00	\$400,000.00
B2B Trust GIC - Annual (2.550% Annual Yield)	Aug 29/11	Aug 29/16	2.550%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (2.550% Annual Yield)	Aug 29/11	Aug 29/16	2.550%	\$300,000.00	\$300,000.00
ICICI Bank GIC - Annual (2.630% Annual Yield)	Aug 29/11	Aug 29/16	2.630%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (2.670% Annual Yield)	Dec 23/11	Dec 23/16	2.670%	\$200,000.00	\$200,000.00
Royal Premium Money Market Fund	n/a	n/a	Variable	\$4,325,416.67	
TOTAL INVESTMENTS				\$8,025,416.67	
ROYAL BANK CURRENT ACCOUNT				\$963,722.32	
RBC DOMINION ACCOUNT				\$10.19	
TOTAL INVESTMENTS & CASH BALANCES				<u>\$8,989,149.18</u>	

Performance Reporting

During the 2010-2011 fiscal year, APEGS Council adopted five strategic goals to assist in focusing the association's activities over the next several years. The goals included emphasis on APEGS's mandate and objects as identified in section 5 of The Engineering and Geoscience Professions Act as well as others beyond APEGS's core business. These goals, along with the anticipated objectives, were grouped as follows:

1. Ensuring registration and compliance requirements are met.
2. Promoting and improving the proficiency and competency of members.
3. Proactively regulating the professions.
4. Ensuring sustainability of the professions.
5. Meeting the requirements of ongoing governance and operations.

At the October 2012 Council meeting, Council reviewed progress on the plan, and confirmed the focus items for the upcoming year. The conclusions for 2012-2013 are:

- Priority goals (4, 5, 3) are consistent with last year (4, 5, 2) with 2 and 3 very close.
- Goal 2 (member competency) had strong votes for all objectives.
- Goals 1 and 3 (i.e. core business) will be the most impacted by the horizon watch issues.
- Volunteer management continues to be very important.
- Objective 4b (communications plan) is important to everyone.
- Objective 1e (Governance Board name change) can be deleted.

Horizon watch issues were also reviewed and considered for their possible impact on the priorities:

- Incidental practice for geoscientists/engineers – National Licence?
- Technologist seeking scope of practice/P.Tech. designation in B.C.
- Continued membership growth.

- Office space challenges.
- Budget surplus management.
- Communication plan with Martin Charlton may set new direction.
- Online experience reporting for competency-based system.
- Federal government immigration requirements impacts on registration.
- Qualified Person Advisory Committee (QPAC) outcomes should be known by December.

The following tables summarize the progress towards achieving the three focus goals, in order of priority. Further details are available in the respective committee and board reports.

APEGS 2012 Priority Goals

Goal 4: Ensuring sustainability of the professions.

OBJECTIVES:

Improve the public profile of the professions.

RESULTS:

- Martin Charlton secured as APEGS communications consultant. Preliminary communications plan developed with new theme, “We See More,” targeting new TV commercials and media approaches for 2013 Engineering and Geoscience Week.
- Website redesign project launched February 2012, with 2013 implementation of improved member, staff and public functionality.
- K-12 Committee led the development of outreach resources for a grade 8 water resources unit with 4th year teacher candidates from the University of Saskatchewan, College of Education and the Environment & Sustainability Committee, with specific focus on incorporation of Indigenous Ways of Knowing for First Nations and Regional Centre of Expertise on Education for Sustainable Development.
- K-12 Committee partnered with Walter Murray Collegiate (Saskatoon) to produce the first set (of three) of career videos that highlight careers of APEGS members. Videos launched during Engineering and Geoscience Week.
- Four Gold Medals and 20 book prizes awarded to university students.
- New grant formula and reserve fund for the constituent societies approved by Council for 2013 implementation.
- Council approved a new award for 2013 – Friends of the Professions.
- Six awards and eight FEC/FEC(Hon.) presented at the Annual Meeting banquet.
- Equity and Diversity Committee is the leader in bringing the Canadian Coalition of Women in Engineering, Science, Trades and Technology(CCWESTT) to Regina for its biannual meeting in 2014.

Goal 5: Meeting the requirements of ongoing governance and operations.

OBJECTIVES:

Enhance/Improve volunteer management

RESULTS:

- Held the Volunteer Orientation Day in Moose Jaw Nov 3, 2012. Volunteers participated in a Meeting Skills seminar, followed by committee meetings.
- K-12 Committee established a lead volunteer coordinator position for outreach activities.

Goal 2: Promoting and improving the proficiency and competency of members

OBJECTIVES:

Monitor participation in Continuing Professional Excellence activities.

Broker/Facilitate professional development activities with partners.

Reporting of continuing professional development.

RESULTS:

- Online member reporting of CPE credits will allow staff to determine reporting statistics.
- May 2012 Annual meeting and Professional Development activities attended by 350 members. Theme: Navigating the new normal Global Risks-Global Rewards.
- Third Fall Professional Development Days (multi track) held in November 1st and 2nd, 2012, in Moose Jaw prior to Volunteer Orientation Day."Get to the Point" technical writing course sold out, Infrastructure Climate Risk Assessment (PIEVC) had 20 participants, and 2 day multi-track workshop on Environment and Sustainability topics had 50 participants.
- Provided notices of professional development opportunities via website, e-notices to members, and Professional Edge advertising.
- Crystal reports drafts for CPE reporting statistics completed, verification of data underway.

Other Goals Accomplished in 2012 Through On-going Association Operations

In addition to working on the three focus goals, APEGS staff, executive, Council and volunteers accomplished the following notable contributions to the remaining goals.

Goal 1: Ensuring registration and compliance requirements are met.

- Experience Review Seminars held for over 600 members-in-training, supervisors and mentors to orient them to the reporting requirements and review the common errors in reporting.
- Registrar's Advisory Committee reviewed five cases and published the outcomes in *The Professional Edge*.
- Engineers Canada Competency Pilot for experience reporting concluded with APEGS members-in-training.

- Law and Ethics Seminar provided for 300 people. The Professional Practice Exam was written by 314 people, and 11 failed.
- Hosted a two-day investigation and discipline training and committee meeting forum for the committees and Council in September.

Goal 3: Proactively regulating the professions.

- Executive participation at the Pacific North West Economic Region (PNWER) 2012 Summit in Saskatoon (July 2012). There were approximately 650 delegates, including various dignitaries – Lieutenant Governor Schofield, Premier Wall, Minister of Agriculture Ritz, Minister of Public Safety Toews, Ambassador Doer, former US Ambassador to Canada Wilkins and many Saskatchewan MLAs.

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- Continued to hold joint APEGS/CES Executive Committee meetings biannually.
 - Raised awareness for using licensed professionals through trade shows and industry events.
 - Council concurred with the following elements of the Canadian Framework for Licensure: fairness and service level norms; licensing requirements and competencies for limited engineering licence; licensing requirements and competencies for professional engineering licence.
 - 50 Bills introduced in the Saskatchewan Legislative Assembly were monitored during the year by the Legislative Liaison Committee.
 - Participated in the Saskatchewan Construction Panel and assisted with recommendations for the Minister of Government Services related to standardization of construction documents and the western trade agreement.

Goal 4: Ensuring sustainability of the professions.

- Queen Elizabeth II Jubilee Medals awarded to two APEGS members – Dr. Karim Nasser, P. Eng. and Pieter Van Vliet, P.Eng., FEC.
- APEGS member Greg Vogelsang, P. Eng., P.Geo. elected President-Elect of Geoscientists Canada.
- APEGS member Rick Kullman, P.Eng., FEC selected as Chair of the Engineers Canada CEO Group.
- Hosted annual MLA Reception in December 2012, along with attending various stakeholder events throughout the year.
- Council approved the Student Financial Award Framework, with 2013 implementation with the universities.

GOAL 5: Meeting the requirements of ongoing governance and operations.

- ARC (20 per cent increase) and ERC (13 per cent increase) implemented process improvements to deal with significant increase in applications.
- 30 per cent increase in licensee approvals.
- Patron sponsor for the University of Saskatchewan College of Engineering 2012 Centennial. APEGS sponsored a brass commemorative plaque for C.J. Mackenzie, attached to the Broadway Bridge.
- Council approved the creation of a task group to review the current financial surplus and make recommendations to Council.
- Academic review policies were amended to streamline the process to meet the increased demands on the committee.

Respectfully submitted,

Peter Jackson, P.Eng., FEC
Past President

APEGS Volunteers

A

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Seyed Hamidreza Alvani, P.Eng.
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Gregory B. Andrist, P.Eng.
Dr. Kevin M. Ansdell, P.Geo., FEC (Hon.)
Anna M. Anthony, P.Eng.
Shawna L. Argue, P.Eng., FEC
Merv Armstrong, P.Eng.
Gillian R. Ash Richard
Devin T. Ashley, P.Eng.
Ronald W. Avery, P.Geo.
Mohammed A. Aziz, P.Eng.

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Jeffrey C.G. Bellows, P.Eng.
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Lyle Benko

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