



Engineers Canada is the national organization of the 12 provincial and territorial associations that regulate the profession 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.

Engineers Canada is the voice of its constituent associations in national and international affairs and promotes greater understanding of the nature, role and contribution of engineering to society.



Engineers Canada is the business name of the Canadian Council of Professional Engineers.

*The terms ENGINEER, PROFESSIONAL ENGINEER, P.ENG., CONSULTING ENGINEER and ENGINEERING are official marks held by the Canadian Council of Professional Engineers.

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President's Message

The support and collaboration of our constituent associations are imperative for Engineers Canada to effectively fulfill its mandate. Together, we are one profession nationwide.

The profession is more than licensure and extends beyond our individual borders. It is about the great work being done by engineers, and all that the profession does to enhance the safety and prosperity of the public at the national and international levels.

This past year has been one of change and significant accomplishments for Engineers Canada, achieved with the support and collaboration of the constituent associations. Some of the accomplishments include bringing on a new chief executive officer; the development of an invaluable website for international engineering graduates immigrating to Canada; the introduction of a new governance model; receiving an honourable mention in the International Qualifications Network (IQN) Awards' Innovation category for our International Institutions and Degrees Database; and contributing to federal public policy debate on issues such as infrastructure, climate change, immigration and foreign credentials, and research and development. All of this was done in addition to the work Engineers Canada continues to do to assist the constituent associations with the licensure process in Canada and ensuring that Canadian engineering graduates meet the profession's high standards.

There was great commitment by the Engineers Canada Board members and the constituent associations to increase our collaboration. Our renewed governance model, stemming from the work of the Synergy Task Force, has made a difference and the constituent associations are more connected with the work being done on their behalf by Engineers Canada. We have been brought closer together, and I am very happy with where we are today.

Our renewed policy governance model forces us to clearly identify the desired specific project end results, benefits and measures for our work. This will provide clarity and transparency of our strategic outcomes and will enhance our ability to succeed in supporting our profession, a profession that is so vital to the well-being of all Canadians.

Communications has been another key focus for Engineers Canada over the past year. We are dedicated to communicating the role, activities and benefits of Engineers Canada more broadly, so that our constituent associations receive timely and effective information. As a profession, it is important that the lines of communications are open so that we leverage each other's work to achieve our goals in the benefit of both the profession and the public.



As individual engineers, we need to be advocates of our profession and stay informed of the great things engineers are doing, and to share that good news with others. I urge you to follow Engineers Canada's communications through social media, by visiting www.engineerscanada.ca and by signing up to receive our electronic newsletter and daily media report.

I sincerely thank the Engineers Canada Board members and advisors for all that they have done for the profession and for the support I personally received during my tenure as president of Engineers Canada. The directors are representatives of Canada's engineering profession, and they are doing a wonderful job. They have been a cohesive Board that has been aligned with achieving our goals and have all been working for our one profession. My appreciation also extends to the constituent association presidents, chief executive officers, council members, volunteers and staff who have collaborated and supported us throughout the year. Finally, I thank Engineers Canada Chief Executive Officer Kim Allen, FEC, P.Eng., and his dedicated staff for the excellent work that they do every day on behalf of all of us and especially for the support they have shown me.

The P.Eng. designation is our brand for excellence, and it is apparent that we are all committed to that excellence. Congratulations! Our work and profession both deserve to be celebrated and I know that engineering truly makes a difference.

Catherine Karakatsanis

Catherine Karakatsanis, FEC, FCAE, P.Eng.

PRESIDENT

ENGINEERS CANADA BOARD 2012



FROM TOP ROW, LEFT TO RIGHT:

Rick Kullman, FEC, P.Eng. (Saskatchewan)
Darryl Benson, FEC, P.Eng. (Newfoundland and Labrador)
Darrell P. Fisher, FEC, P.Eng. (Prince Edward Island)
Phil Maka, FEC, P.Eng. (Ontario)
Catherine Harwood, FEC, P.Eng. (Yukon)
Lloyd Henderson, FEC, P.Eng. (Northwest Territories)
Chris Roney, FEC, P.Eng. (Ontario)
Sandra Gwozdz, FIC, ing. (Quebec)
Zaki Ghavitian, FIC, ing., M.ing. (Quebec)
Paul Amyotte, FEC, P.Eng. (Nova Scotia)

Dick Walters, FEC, P.Eng. (Alberta)
Russ Kinghorn, FEC, P.Eng. (British Columbia)
Larry Staples, FEC, P.Eng. (Alberta)
Sid Zerbo, FIC, ing. (Quebec)
Andrew McLeod, FEC (Hon.), (Board Advisor from
the Chief Executive Officers Group) (New Brunswick)
Digvir S. Jayas, FEC, P.Eng. (Manitoba)
David Coleman, P.Eng. (Board Advisor from the *National
 Council of Deans of Engineering and Applied Science*)
 (New Brunswick)
Malcolm Reeves, FEC, P.Eng. (Board Advisor from the
Canadian Engineering Accreditation Board) (Saskatchewan)
Diane Freeman, FEC, P.Eng. (Ontario)
Emily Cheung, FEC, P.Eng. (British Columbia)

Brent Smith, FEC, P.Eng. (*Past-President*) (New Brunswick)
Catherine Karakatsanis, FEC, FCAE, P.Eng. (*President*) (Ontario)
Jim Beckett, FEC, P.Eng. (*President-Elect*) (Alberta)
Kim Allen, FEC, P.Eng. (*Engineers Canada's Chief Executive Officer*)
Louise Quesnel, FIC, ing. (Quebec)

ABSENT:

David W. Euler, FEC, P.Eng. (Ontario)
Suzelle Barrington, FIC, ing. (Board Advisor from the *Canadian
 Engineering Qualifications Board*) (Quebec)

ENGINEERS CANADA STAFF 2012



TOP ROW, FROM LEFT TO RIGHT:

David Lapp, FEC, P.Eng.
Brett Stoner
Marc Bourgeois, FIC (Hon.)
Lisa Dennis

SECOND ROW (FROM LEFT):

Alana Lavoie
Maria Arrieta
Lorelei Scott, FEC (Hon.)
Carol-Anne Tyndall
Dawn Lilly
Joceline Diotte
Gordon Griffith, FEC, P.Eng., ing.

Lynn Villeneuve
John Kizas, FEC, P.Eng.
Eric Scharf
Alexander Olivas
William Meyer
Ken McMartin, FEC, P.Eng.
Chantal Colavizza
Lynn Tremblay
Emilie Adams
Randa Dirani
Johanne Lamarche
Doris Yee
Marie Claverie

BOTTOM ROW (FROM LEFT):

Marlene McCourt
Lucy Lefebvre
Marie Carter, FEC, P.Eng., *Chief Operating Officer*
Marie-Lynne Grandbois
Dawn Graham
Stephanie Price, P.Eng.

ABSENT:

Kim Allen, FEC, P.Eng., *Chief Executive Officer*
Samantha Colasante
Nicole Martel

Corporate Social Responsibility

Engineers Canada is committed to the global society and environment, and fiscal responsibility – both to its constituent associations and practising engineers.

Committed to Society

Engineers Canada provides positive contributions to the well-being of our communities, both locally and internationally.

We support the **Canadian Engineering Memorial Foundation's** scholarship program, donate to the **Ottawa Food Bank** and work with **Engineers Without Borders** in support of global development. In addition to the charitable work we do, Engineers Canada strives to offer a great workplace.

Committed to the Environment

Engineers play an essential role in contributing to environmental sustainability. Engineering principles preserve our natural resources, create new green innovations, and adapt existing and future infrastructure to climate change. Engineers Canada is involved in environmental activities through its programs, and is committed to reducing the direct and indirect environmental effect of its day-to-day operations. Our green meetings policy ensures minimum impact on the environment:

Engineers Canada will consider and implement, where possible, environmentally preferable features and practices at every stage of planning and delivery of its meetings, events and activities, including selection processes, acquisition of meeting supplies and services.

Committed To Fiscal Responsibility

As a non-profit organization, Engineers Canada's goal is to support, through our constituent associations, the members of the engineering profession as they contribute to the economic well-being of Canada. We are committed to being transparent and accountable with our finances so the best services are delivered to our constituent associations, partners and other stakeholders.



Strategic Objectives:

Delivering Programs

Engineers Canada stands behind its commitment to bring value to the constituent associations and to respond to both their needs and concerns and those of the rest of the engineering profession.

A. MAINTAIN A GOVERNANCE STRUCTURE THAT ALLOWS EFFECTIVE CONDUCT OF ENGINEERS CANADA BUSINESS AND THE FULL ENGAGEMENT OF CONSTITUENT ASSOCIATIONS

PARAMOUNT TO THE SUCCESS OF ENGINEERS CANADA IN EFFICIENTLY DELIVERING VALUE.

ENGINEERS CANADA HAS ADOPTED A NEW GOVERNANCE MODEL TO ENSURE THE ORGANIZATION UNDERTAKES BROADLY SUPPORTED NATIONALLY FOCUSED ACTIVITIES. ENGINEERS CANADA TRANSLATED THE APPROVED GOVERNANCE MODEL INTO EFFECTIVE POLICIES AND PRACTICES THAT ALLOWS THE ORGANIZATION TO BETTER SERVE ITS CONSTITUENTS. IN 2012, A REVIEW OF ALL GOVERNANCE POLICIES WAS CONDUCTED.

In addition, the mandate of Engineers Canada can only be fully realized if the constituent associations are engaged, knowledgeable and broadly supportive of Engineers Canada programs, its activities and contributions. To ensure this occurs, Engineers Canada developed a communications strategy and action plan in 2012 to promote strong, effective, and timely communications with the constituent associations.

THE 2012 GOVERNANCE COMMITTEE



FROM TOP ROW, LEFT TO RIGHT:

Marie Carter, FEC, P.Eng., *Engineers Canada's Chief Operating officer*
Kim Allen, FEC, P.Eng., *Engineers Canada's Chief Executive Officer*
Zaki Ghavitian, FIC, ing.
Brent Smith, FEC, P.Eng., *Engineers Canada's Past-President*
Catherine Karakatsanis, FEC, FCAE, P.Eng., *Engineers Canada's President*
W. James Beckett, FEC, P.Eng., *Engineers Canada's President-Elect*
Darryl Benson, FEC, P.Eng.

ABSENT:

David W. Euler, FEC, P.Eng.

B. SUPPORT CONSTITUENT ASSOCIATIONS' REGULATORY ACTIVITIES

HELPING THE CONSTITUENT ASSOCIATIONS PROTECT THE PUBLIC

THE **CANADIAN ENGINEERING ACCREDITATION BOARD** ENSURES CANADIAN ENGINEERING GRADUATES ARE READY TO ENTER THE WORKFORCE BY ENSURING THEY MEET GRADUATE ATTRIBUTE REQUIREMENTS. THIS MEANS THAT BY EXAMINING AND ACCREDITING CANADIAN UNDERGRADUATE ENGINEERING PROGRAMS, THE ACCREDITATION BOARD ENSURES THAT OUR GRADUATES MEET OR EXCEED CONSTITUENT ASSOCIATION EDUCATIONAL STANDARD REQUIREMENTS. IT ALSO DETERMINES THE EQUIVALENCY OF ACCREDITATION SYSTEMS IN OTHER COUNTRIES AND MONITORS THE ACTIVITIES OF THOSE WITH WHICH WE HAVE SIGNED MUTUAL RECOGNITION AGREEMENTS ON ACCREDITATION. THIS RESULTS IN CANADIAN ENGINEERING GRADUATES BEING EQUIPPED TO PERFORM ENGINEERING WORK BOTH IN CANADA AND ABROAD. PROGRAMS MUST COMPLY WITH THE GRADUATE ATTRIBUTE CRITERIA BY THE 2014/2015 VISIT CYCLE.

Accreditation Board highlights for 2012 include:

- The June 2015 Accreditation decisions will take compliance with graduate attribute criteria into account. Starting in June 2012, a statement as to the Accreditation Board's assessment of the program's "readiness to comply" was given to programs in the accreditation decision letters.
- The Accreditation Board is studying ways to balance the evaluations of inputs and graduate attributes assessment.
- Eighteen programs under development are being monitored. As appropriate, new programs are offered assistance so that they are better prepared to meet Accreditation Board criteria. Higher education institutions including colleges continue to be interested in offering accredited engineering programs.

ENGINEERS CANADA STAFF:

Maria Arrieta
 Gordon Griffith, FEC, P.Eng., ing., *Secretary*
 Johanne Lamarche
 Alexander Olivas
 Lynn Villeneuve

THE 2012 CANADIAN ENGINEERING ACCREDITATION BOARD



FROM TOP ROW, LEFT TO RIGHT:

James K.W. Lee, FEC, P.Eng.
Jacques Paynter, P.Eng.
Guy Gendron, P.Eng., ing.
Michel Couturier, P.Eng.
Graham T. Reader, P.Eng., C.Eng., EUR, ing.
Nadia Baaziz, ing.
Richard J. Kind, P.Eng.
Michael Isaacson, FEC, P.Eng.

Danilo Candido, FEC, P.Eng.
Rosamund Hyde, Ph.D., P.Eng.
W. James Beckett, FEC, P.Eng., *Engineers Canada Board representative*
René Rochette, FIC, ing., *Past-Chair*
Malcolm J. Reeves, FEC, P.Eng., P.Geo., *Chair*
Gérard Lachiver, ing., *Vice-Chair*
Sandra Gwozdz, FIC, ing., *Engineers Canada Board representative*

ABSENT:

Dr. James Blatz, FEC, P.Eng.
Wayne MacQuarrie, FEC, P.Eng.

THE **CANADIAN ENGINEERING QUALIFICATIONS BOARD** SUPPORTS THE CONSTITUENT ASSOCIATIONS' WORK TO DEVELOP AND MAINTAIN APPROPRIATE QUALIFICATION STANDARDS TO PRACTISE PROFESSIONAL ENGINEERING. IT ALSO FACILITATES AND PROMOTES INTER-ASSOCIATION AND INTERNATIONAL MOBILITY, AND RESEARCHES EMERGING AREAS OF ENGINEERING DISCIPLINES AND PRACTICE.

The Qualifications Board is composed of 10 sub-committees and three working groups whose volunteers serve the profession directly on admissions and practice issues. Highlights of the work they completed in 2012 include:

- The **Engineer-in-Training Committee** completed the new *Guideline on Mentoring Programs* that provides information on the types of mentoring programs and the roles of participants in mentoring programs.
- The **Environment and Sustainability Committee** completed the *2012-2017 Climate Change Action Plan* which was approved by the Board in Jun 2012.
- The **Practice Committee** created a new model guide on *Risk Management* for the constituent associations to adopt, adapt and share with their members.
- The **Good Character Task Force** finished the *Good Character Guideline* which defines what is meant by "good character" and why it is important to the engineering profession.

THE 2012 CANADIAN ENGINEERING QUALIFICATIONS BOARD



FROM TOP ROW, LEFT TO RIGHT:

Jüri Silmberg, FEC, P.Eng.
Dennis Peters, FEC, P.Eng.
Don MacEwen, FEC, P.Eng.
Paul Blanchard, FEC, P.Eng.
Jerry Helfrich, FEC, P.Eng.
Gary Faulkner, FEC, P.Eng.
Malcolm Symonds, FEC, P.Eng., *Vice-Chair*
Suzelle Barrington, FIC, ing., *Chair*
Bob Dunn, FEC, P.Eng.
Chris Zinck, FEC, P.Eng., *Past-Chair*
Louise Quesnel, FIC, ing.

ABSENT:

Diane Freeman, FEC, P.Eng., *Engineers Canada Board Representative*
Peter Gregson, FEC, P.Eng.
Sid Zerbo, FIC, ing., *Engineers Canada Board Representative*

ENGINEERS CANADA STAFF:

David Lapp, FEC, P.Eng.
Ken McMartin, FEC, P.Eng., *Secretary*
Stephanie Price, P.Eng.
Lynn Tremblay

THE **INTERNATIONAL COMMITTEE** INFLUENCES ENGINEERS CANADA'S PRESENCE ON THE INTERNATIONAL STAGE BY INFORMING THE ORGANIZATION OF OPPORTUNITIES FOR INTERNATIONAL MOBILITY. THE WORK OF THESE MEMBERS ALLOWS THE CONSTITUENT ASSOCIATIONS TO BE AWARE OF THE REGISTRATION AND LICENSURE SYSTEMS OF OTHER COUNTRIES. IT ALSO ALLOWS US TO ASSESS THE IMPACTS OF FEDERAL GOVERNMENT INTERNATIONAL TRADE ACTIVITIES ON PUBLIC SAFETY AND THE ENGINEERING PROFESSION IN CANADA. THIS IS WHY ENGINEERS CANADA IS A SIGNATORY OF THE **WASHINGTON ACCORD, APEC ENGINEER AND ENGINEERS MOBILITY FORUM**.

In 2012, the Committee continued its work in many areas, including:

- Evaluating Engineers Canada mutual recognition agreements policy with the understanding that it should also include agreements between provinces and American states or others, and developing the policy into an element of the Canadian Framework for Licensure.
- Reviewing the impact of globalization with respect to international changes in engineering education, practice and regulation. Information gathering and the synthesizing of knowledge on the subject was completed to determine what information is required for our constituent associations and their members.

- Requesting work be carried out on a value for money assessment of Engineers Canada's involvement in international organizations, and that a protocol be developed to assist in future assessments.
- Providing information regarding the regulation of engineering to the Department of Foreign Affairs and International Trade for their discussions with the European Union Commission on a free trade agreement that includes professional services.

Engineers Canada also chairs the World Federation of Engineering Organizations' **Committee on Engineering and the Environment**. The chairmanship is sponsored by TD Insurance Meloche Monnex and supported by APEGA.

THE 2012 INTERNATIONAL COMMITTEE

FROM LEFT TO RIGHT:

Rick Kullman, FEC, P.Eng.
Gordon Griffith, FEC, P.Eng., *ing.*, *Ex-officio*
Kim Allen, FEC, P.Eng., *Ex-officio*
Zaki Ghavitian, FIC, *ing.*, *M.ing.*
Chris D. Roney, FEC, P.Eng.
Digvir Jayas, FEC, P.Eng., *Chair*

ABSENT:

Jacinta O'Brien, FEC, P.Eng.



ENGINEERS CANADA STAFF:

Ken McMartin, FEC, P.Eng., *Secretary*
Lynn Tremblay

THE **PUBLIC INFRASTRUCTURE ENGINEERING VULNERABILITY COMMITTEE** CONTINUES TO STUDY THE ENGINEERING VULNERABILITY OF PUBLIC INFRASTRUCTURE TO THE IMPACTS OF CLIMATE CHANGE. WE THANK NATURAL RESOURCES CANADA FOR THEIR FUNDING OF THIS INITIATIVE. THE *PIEVC ENGINEERING PROTOCOL* HAS BEEN USED TO ASSESS CLIMATE RISKS IN FOUR INFRASTRUCTURE CATEGORIES: BUILDINGS, STORM WATER/WASTEWATER SYSTEMS, ROADS AND ASSOCIATED STRUCTURES AND WATER RESOURCES (TREATMENT AND FLOOD CONTROL SYSTEMS), AND PROVIDES CLARITY ON THE PROCESS FOR ANALYZING HISTORICAL CLIMATE DATA AND FUTURE CLIMATE PROJECTIONS.

Highlights of the Vulnerability Committee in 2012 include:

- Completion of Version 10 of the PIEVC Engineering Protocol. The development is now complete. The Protocol is available in English, French and Spanish.
 - Completion and testing of a Triple Bottom Decision Support Tool that complements the Protocol.
- Completion and publication of a climate change survey of engineers in partnership with constituent associations.
- Delivery of more than 20 presentations at meetings and conferences of federal, provincial and municipal governments, constituent associations and other professional associations across Canada.

IN PARTNERSHIP WITH RANDSTAD CANADA, ENGINEERS CANADA CONDUCTED A **LABOUR MARKET STUDY** IN 2012 TO PROVIDE TIMELY AND ACCURATE LABOUR MARKET AND TO ENSURE THE PUBLIC HAS ACCESS TO ADEQUATE ENGINEERING KNOWLEDGE AND EXPERTISE. CONCLUSIONS OF *THE ENGINEERING LABOUR MARKET IN CANADA: PROJECTIONS TO 2020* INCLUDE:

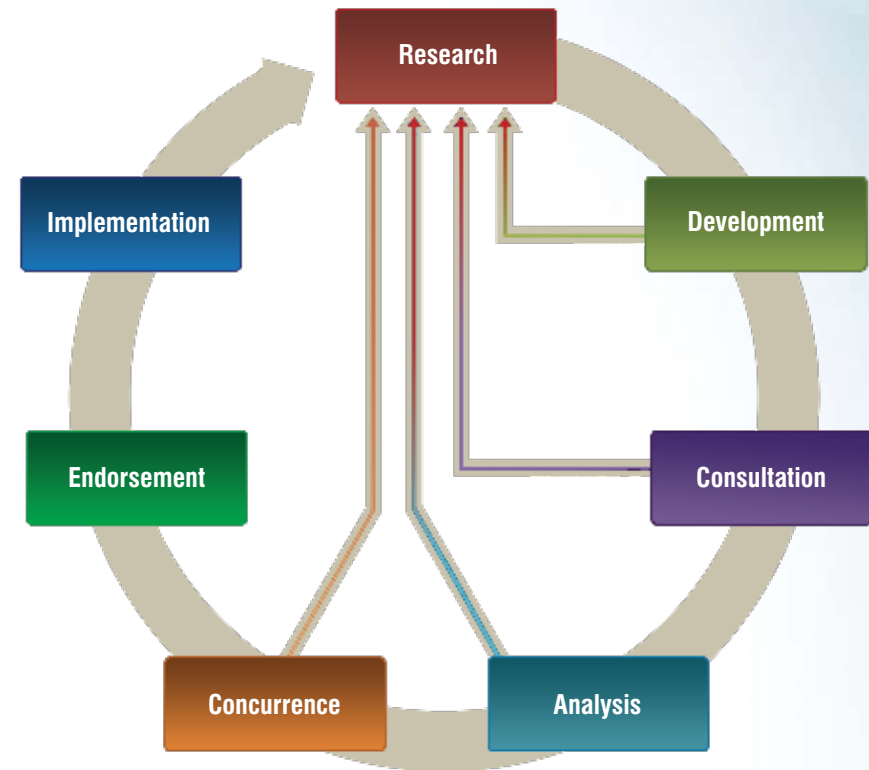
- A growing regional imbalance in the engineering labour market, with tighter markets in western Canada and weaker markets in central and eastern Canada.
- Requirements to replace retiring engineers far exceed the number of new jobs created by economic growth. This contributes to a skills shortage that is most acute in the market for specialized engineers with over ten years of experience as retiring engineers take valued skills and experience out of the market.
- An abundance of young engineering students enrolled in and completing engineering programs but lacking practical skills. The result is an oversupply of potential new entrants at the same time as recruiters face a shortage of skills.

FINALLY, ENGINEERS CANADA HAS BEEN ASSISTING ITS CONSTITUENT ASSOCIATIONS IN CREATING THE **CANADIAN FRAMEWORK FOR LICENSURE**. THE FRAMEWORK OUTLINES A NATIONAL STANDARD FOR THE CONSTITUENT ASSOCIATIONS TO ENHANCE THEIR ABILITY TO REGULATE THE PRACTICE OF PROFESSIONAL ENGINEERING TO BETTER SERVE AND PROTECT THE PUBLIC INTEREST. ITS GOAL IS TO HELP THE ASSOCIATIONS ENHANCE EQUITY, CONSISTENCY, FAIRNESS AND TIMELINESS OF SERVICES.

The Framework focuses on the essential elements of the regulated engineering profession and develops key considerations and supporting implementation details for each one. These elements will form a national framework available for the associations to amend legislation or make changes to bylaws or regulations.

In 2012, three elements were finalized and became part of the framework: continuing professional development; accountability of engineering organizations; and negotiating international agreements. Nine other elements were developed and are being reviewed by the constituent associations. They are fairness in registration practices; titles, rights and responsibility of engineering licence holders; code of ethics; enforcement; principles for complaint, investigation and discipline practices; competencies and requirements for licensure as a professional engineer, as a limited licence holder and as an engineer-in-training; and assessment tools for engineering licensure. This last element was the subject of a national meeting in October 2012 for staff and volunteers who work on admissions processes. The meeting highlighted similarities, allowed associations to better understand each other's processes and set the ground work for more national work on this topic.

Canadian Framework for Licensure Element Creation, Design and Development



C. AUGMENT CONSTITUENT ASSOCIATIONS' EFFORTS TO ENSURE THOSE PRACTISING ENGINEERING ARE LICENSED

A PROFESSION PROTECTING THE PUBLIC THROUGH LICENSURE

THE **COMPETENCY-BASED SYSTEM FOR THE ASSESSMENT OF ENGINEERING WORK EXPERIENCE** CLARIFIED THE WORK EXPERIENCE REQUIREMENT FOR APPLICANTS AND CREATED A STRUCTURED ASSESSMENT SYSTEM FOR THE VOLUNTEER-ASSESSORS TO MAKE THE PROCESS MORE OBJECTIVE AND CONSISTENT. FUNDED BY HUMAN RESOURCES AND SKILLS DEVELOPMENT CANADA AND SUPPORTED BY VOLUNTEERS, THE PROJECT CONCLUDED IN DECEMBER 2012 AFTER PILOT TESTING IN TWO ASSOCIATIONS. SOME OF THE RESULTS OF THE PROJECT INCLUDE:

- Seven core competencies that describe what every professional engineer must be able to do.
- An assessment system that allows applicants to demonstrate that they possess the competencies, trains assessors, and provides an objective evaluation method.
- Recommendations for further action to operationalize the system for the use of all constituent associations.

Furthermore, the regulatory bodies are constantly looking to streamline the process for international engineering graduates to receive their licences. Engineers Canada's answer to facilitate this process is the **International Engineering Graduate Road Map**. This comprehensive, one-stop information/resource website – newcomers.engineerscanada.ca – eases navigation through the engineering licensure process in Canada and was funded by Citizenship and Immigration Canada through the Foreign Credentials Referral Office. It launched in January 2013.

ENGINEERS CANADA STAFF:

Randa Dirani
Gordon Griffith, FEC, P.Eng., ing.
Ken McMartin, FEC, P.Eng.
Stephanie Price, P.Eng.
Doris Yee

ENGINEERS CANADA'S AWARDS AND SCHOLARSHIPS PROGRAMS
PROMOTE AND AWARD THE EXCELLENT WORK OF CANADA'S
PROFESSIONAL ENGINEERS, TEAMS OF ENGINEERS, ENGINEERING
PROJECTS, AND ENGINEERING STUDENTS WHO ARE FURTHERING
THEIR EDUCATION THROUGH ADVANCED STUDIES.

On June 2, 2012, we honoured seven individuals and one engineering project at the Engineers Canada Awards gala presentation in Niagara Falls:

- *Gold Medal Award*
– Wilfrid Morin, ing., M.Sc.A. (OIQ)
- *Young Engineer Achievement Award*
– Milica Radisic, Ph.D., P.Eng. (PEO)
- *Meritorious Service Award for Professional Service*
– Paul Blanchard, FEC, P.Eng. (APEGBC)
- *Meritorious Service Award for Community Service*
– Anna Dunets Wills, B.A.Sc., M.Eng., P.Eng. (PEO)
- *Medal for Distinction in Engineering Education*
– John A. Nychka, Ph.D., P.Eng. (APEGGA)
- *National Award for an Engineering Project or Achievement*
– Port of Belledune Expansion Project, GEMTEC Limited (Engineers and Geoscientists New Brunswick)
- *Award for the Support of Women in the Engineering Profession*
– Catherine A. Roome, P.Eng. (APEGBC)
- *Gold Medal Student Award*
– Saksham Uppal

In an effort to offer Canadians a balanced perspective on how engineering impacts important issues ranging from health and infrastructure to technology and economic prosperity, we created the *Award of Journalism Excellence in Engineering*.

By recognizing the journalists that inform us, we aim to increase the engineering perspective in their stories. The first recipient of this award will be honoured with the other awards recipients in a ceremony in Yellowknife, N.W.T., in June 2013.

Engineers Canada gratefully acknowledges the sponsors of the 2012 Engineers Canada Awards:



THE 2012 AWARD RECIPIENTS



FROM LEFT TO RIGHT

Brent Smith, FEC, P.Eng., *Engineers Canada's Past-President*
David J. Purdue, P.Eng., *GEMTEC Limited, Port of Belledune Expansion Project*
Catherine A. Roome, P.Eng.
Paul Blanchard, FEC, P.Eng.
John A. Nychka, Ph.D., P.Eng.
Milica Radisic, Ph.D., P.Eng.
Anna Dunets Wills, B.A.Sc., M.Eng., P.Eng.
Saksham Uppal
Wilfrid Morin, ing., M.Sc.A.
Ziya Tong, co-host

THE 2012 AWARDS COMMITTEE

FROM LEFT TO RIGHT:

Rick Kullman, FEC, P.Eng.
Catherine Harwood, FEC, P.Eng.
Louise Quesnel, FIC, ing., *Chair*
Darrell Fisher, FEC, P.Eng.
Phil Maka, FEC, P.Eng.

ABSENT:

Pierre Duchesne, *NSERC*



ENGINEERS CANADA STAFF:

Marc Bourgeois, FIC (Hon.)
Lucy Lefebvre

ON OCTOBER 3, 2012, WE AWARDED SEVEN OUTSTANDING PROFESSIONAL ENGINEERS WITH SCHOLARSHIPS TOTALING \$70,000 AT THE NATIONAL SCHOLARSHIPS PROGRAM CEREMONY IN OTTAWA. THE SCHOLARSHIPS AIM TO SUPPORT THEIR ADVANCED STUDIES AND RESEARCH.

Engineers Canada-Manulife Financial scholarships

Valued at \$12,500 each and presented to support Canadian professional engineers returning to university for further study or research **in an engineering field**.

- Erin R. Bobicki, P.Eng., APEGA and PEO, Ph.D. in Chemical and Materials Engineering, University of Alberta
- Serge L. Desjardins, P.Eng., Engineers and Geoscientists New Brunswick, Ph.D. in Civil Engineering, Carleton University
- Mark Pauls, P.Eng., APEGM, M.Sc. in Mechanical and Electrical Engineering, Danube University Krems, Austria

Engineers Canada-TD Meloche Monnex scholarships

Valued at \$7,500 each and presented to Canadian professional engineers returning to university for further study or research **in a field other than engineering** that favours knowledge enhancing performance in the engineering profession.

- Isabelle Bonneau, ing., M.Sc.A., MBA, OIQ, Ph.D. in Administration, Université du Québec à Montréal
- Elizabeth Isenor, BSc., B.Eng., P.Eng., APEGA, MD at the University of Calgary
- Henry Ren, P.Eng., APEGA, Juris Doctor at the University of Toronto

Engineers Canada-TD Insurance Meloche Monnex Léopold Nadeau scholarship

Valued at \$10,000 and presented to a Canadian professional engineer returning to university for further study or research **in the area of public policy development**.

- Anna Michelle Robak, P.Eng., CPEng. Engineers and Geoscientists New Brunswick, Ph.D. in Business/Economics at the University of South Australia

Engineers Canada thanks Manulife Financial and TD Insurance Meloche Monnex for generously supporting the 2012 scholarships.



THE 2012 SCHOLARSHIP RECIPIENTS



FROM LEFT TO RIGHT:

Paul Douglas, *Vice-President, Affinity Market Group,
TD Insurance Meloche Monnex*
Erin R. (Bobicki) Saunders, P.Eng.
Anna Michelle Robak, P.Eng., CPEng
Isabelle Bonneau, ing., M.Sc.A, MBA
Catherine Karakatsanis, FEC, FCAE, P.Eng.,
Engineers Canada's President
Louise Quesnel, FIC, ing.

Serge L. Desjardins, P.Eng.
Mark Pauls, P.Eng.
Henry Ren, P.Eng.
Jim Samaras, *Senior Account Manager,
Affinity Markets, Manulife Financial*

ABSENT:

Elizabeth Isenor, BSc, B.Eng., P.Eng.

D. INFLUENCE FEDERAL GOVERNMENT PUBLIC POLICY AND DECISION-MAKING

CONTRIBUTING TO THE DECISION-MAKING PROCESS WITH THE FEDERAL GOVERNMENT IN THE AREAS OF POLICY DEVELOPMENT AND TRADE.

THE **GOVERNMENT RELATIONS AND PUBLIC AFFAIRS COMMITTEE** IS ENGINEERS CANADA'S PRIMARY VEHICLE RESPONSIBLE FOR THIS OBJECTIVE. IT FOCUSES ON SUSTAINED DIALOGUE WITH THE FEDERAL GOVERNMENT AND INITIATES APPROPRIATE STRATEGIES REGARDING POLICY ISSUES AND THE DEVELOPMENT OF LEGISLATION AND REGULATIONS RELEVANT TO PUBLIC SAFETY AND ENGINEERING.

A cornerstone of the Committee's activities is its participation in pre-budget discussions with the House Standing Committee on Finance, with the goal to influence the federal budget on areas with direct relevance to how engineering impacts Canadians such as ensuring infrastructure is up for the challenges of a dynamic and prosperous future. In 2012, the Committee:

- Hosted key outreach events:
 - The annual Picnic on Parliament Hill with the Canadian Public Works Association on June 6. Attendance included over 320 guests, with 51 members of Parliament and senators.
 - A parliamentary reception on October 2, with 21 members of Parliament and senators in attendance; and
 - A dinner with several senior public servants.
- Continued to advocate for long-term, predictable funding for public infrastructure to replace the expiring Building Canada Plan along with other infrastructure stakeholders, including the Federation of Canadian Municipalities, the Canadian Public Works Association, and the Canadian Chamber of Commerce.
- Provided an engineering perspective to two House of Commons Standing Committees:
 - Human Resources, Skills and Social Development and the Status of Persons with Disabilities for their study on labour and skills shortages in Canada; and
 - Finance as part of the pre-budget consultation study entitled "Jobs, Growth, Productivity and Demographic Change: Challenges and Opportunities for Canada".
- Updated the national position statements on infrastructure and on regulating the profession. The statements are available on the Engineers Canada website at www.engineerscanada.ca/e/pr_government.cfm.

THE 2012 GOVERNMENT RELATIONS AND PUBLIC AFFAIRS COMMITTEE

FROM TOP, LEFT TO RIGHT:

Larry Staples, FEC, P.Eng.
Brent Smith, FEC, P.Eng., *Chair*
Darrell Fisher, FEC, P.Eng.
Sid Zerbo, FIC, ing.
Emily Cheung, FEC, P.Eng.
Diane Freeman, FEC, P.Eng.



ENGINEERS CANADA STAFF:

Marc Bourgeois, FIC (Hon.)
Alana Lavoie
Eric Scharf

E. CREATE AND UTILIZE STRATEGIC PARTNERSHIPS AND ALLIANCES

BENEFITING THE CONSTITUENT ASSOCIATIONS, THEIR MEMBERSHIP AND THE PROSPERITY OF ALL CANADIANS THROUGH CLOSE WORKING RELATIONSHIPS AND CREATING STRATEGIC ALLIANCES.

STRATEGIC ALLIANCES ARE IMPORTANT FOR US TO REACH OUR OBJECTIVES. AS OUTLINED THROUGHOUT THIS REPORT, ENGINEERS CANADA PARTNERS WITH ORGANIZATIONS SUCH TO BENEFIT THE CONSTITUENT ASSOCIATIONS AND SOCIETY. WE ALSO WORK WITH CANADIAN ENGINEERING LEADERSHIP FORUM MEMBERS TO MAINTAIN COMMUNICATIONS AND BE AWARE OF EACH OTHER'S WORK. THE LEADERSHIP FORUM MEMBERS ARE ENGINEERS CANADA, THE ASSOCIATION OF CONSULTING ENGINEERING COMPANIES – CANADA, THE ENGINEERING INSTITUTE OF CANADA, THE CANADIAN ACADEMY OF ENGINEERING, THE CANADIAN FEDERATION OF ENGINEERING STUDENTS, AND THE NATIONAL COUNCIL OF DEANS OF ENGINEERING AND APPLIED SCIENCE.

THE ENGINEERING PROFESSION IS ALSO NOT REPRESENTATIVE OF THE MAKE-UP OF SOCIETY, IN PARTICULAR THE PROPORTION OF WOMEN. ENGINEERS CANADA'S **WOMEN IN ENGINEERING COMMITTEE** LOOKS TO CHANGE THIS REALITY. IN 2012, THE COMMITTEE:

- Funded and developed the online Canadian *Women of Innovation* exhibit, which is also on display at the Canadian Science and Technology Museum. The site was launched in 2013, and highlights female role models in engineering and science. Engineers Canada is also part of the selection committee for the Science and Engineering Hall of Fame.

- Sponsored and presented at the 2012 Canadian Coalition of Women in Engineering, Science, Trades, and Technology conference and Status of Women policy forum in Halifax, NS.
- Partnered with Engineers Without Borders and the Electricity Sector Council on projects to improve the impact of outreach messaging on youth and the effectiveness of recruitment, retention, and promotion of women in the electricity and renewable energy sector.

THE 2012 WOMEN IN ENGINEERING COMMITTEE



FROM TOP, LEFT TO RIGHT:

Kim Allen, FEC, P.Eng., *Engineers Canada's Chief Executive Officer*
Ken McMartin, FEC, M.Eng., P.Eng., *Engineers Canada Staff*
Louise Quesnel, FIC, ing.
Emily Cheung, FEC, P.Eng.
Chris D. Roney, FEC, P.Eng.
Darryl Benson, FEC, P.Eng.
Malcolm Reeves, FEC, P.Eng.

ABSENT:

Suzelle Barrington, FIC, ing., *Chair*
David Coleman, P.Eng., *NCDEAS*
Lindsay Melvin, P.Eng.
Abigail Steel, FEC, P.Eng.
Christine Plourde, FEC, P.Eng.
Elizabeth Croft, FEC, P.Eng.
Lianne Lefsrud, P.Eng.

ENGINEERS CANADA STAFF:

Marie Carter, FEC, P.Eng., *Engineers Canada's Chief Operating officer*
Samantha Colasante
Dawn Lilly

THE 2012 JOINT COMMITTEE ASSEMBLY OF FIRST NATIONS AND ENGINEERS CANADA



FROM LEFT TO RIGHT:
Dick Walters, FEC, P.Eng.
Digvir Jayas, FEC, P.Eng., *Chair*
Lloyd Henderson, FEC, P.Eng.

ENGINEERS CANADA CONTINUED WORKING WITH PARTNER ORGANIZATIONS SUCH AS THE ASSEMBLY OF FIRST NATIONS TOWARDS DEVELOPING OUTREACH INITIATIVES TO HELP INDIGENOUS YOUTH SEE ENGINEERING AS AN ACHIEVABLE CAREER OPTION. IT:

- Participated in the development of EnGenious.ca, a national outreach project which includes a career website and an interactive web-based game as part of indigenous and women in engineering outreach. This initiative, which we also funded for national distribution, is being led by APEGA. Phase I (English only) was released in February 2013. The bilingual version of the website is to be made public in September 2013.
- Sponsored the 2012 WISE Kid-Netic Energy summer camps, offered through Actua and the University of Manitoba.
- Sponsored the 2012 Bright Futures summer camps, organized by the Electricity Sector Council.

THE ENGINEERS CANADA-SPONSORED **AFFINITY PROGRAM** ENHANCES THE PROFESSIONAL, SOCIAL AND ECONOMIC WELFARE OF PROFESSIONAL ENGINEER. THESE GROUP INSURANCE PLANS AND FINANCIAL SERVICES PROVIDE VALUE-ADDED BENEFITS TO ENGINEERING PROFESSIONALS AND THEIR FAMILIES AT HIGHLY COMPETITIVE RATES GIVEN THE GROUP PURCHASING POWER AND VOLUME DISCOUNTS.

To be eligible, individuals must be a registered member of one of Engineers Canada's constituent associations.

Group Insurance Plans

- Home and Auto Insurance Program
- Critical Illness Plan
- Professional Liability Insurance Program
- Sickness and Accident Insurance Protection
- Term Life and Accident Insurance
- Pet Health Insurance

Financial Services

- Financial Security Program
- Flexible Mortgage Account

Other

- Car Rental

ENGINEERS CANADA STAFF:

Lorelei Scott, FEC (Hon.)

Marie-Lynne Grandbois

Summary Financial Statements

THE 2012 FINANCE COMMITTEE



FROM LEFT:

Russ Kinghorn, FEC, P.Eng., *Chair*

Dick Walters, FEC, P.Eng.

Sandra Gwozdz, FIC, ing.

W. James Beckett, FEC, P.Eng.

Kim Allen, FEC, P.Eng., *Engineers Canada's Chief Executive Officer*

ABSENT:

David W. Euler, FEC, P.Eng.

ENGINEERS CANADA STAFF:

Marlene McCourt

Carol-Anne Tyndall

THE 2012 AUDIT COMMITTEE

FROM LEFT:

Paul Amyotte, FEC, P.Eng.
Catherine Harwood, FEC, P.Eng.
Lloyd Henderson, FEC, P.Eng., *Chair*
Kim Allen, FEC, P.Eng., *Engineers Canada's*
Chief Executive Officer

ABSENT:

Gerry O'Donnell



ENGINEERS CANADA STAFF:

Marlene McCourt
Carol-Anne Tyndall

Report of the Independent Auditor on the Summary Financial Statements

To the Members of The Canadian Council of Professional Engineers

The accompanying summary financial statements, which comprise the summary statements of financial position as at December 31, 2012, December 31, 2011 and January 1, 2011 and the summary statements of operations and changes in net assets, and cash flows for the years ended December 31, 2012 and December 31, 2011, are derived from the audited financial statements of The Canadian Council of Professional Engineers (the "Council") for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011. We expressed an unmodified audit opinion on those financial statements in our report dated April 17, 2013.

The summary financial statements do not contain all the disclosures required by Canadian Accounting Standards for Not-for-Profit Organizations. Reading the summary financial statements, therefore, is not a substitute for reading the audited financial statements of The Canadian Council of Professional Engineers.

Management's Responsibility for the Summary Financial Statements

Management is responsible for the preparation of a summary of the audited financial statements on the basis described in the note entitled Basis of Presentation included as part of these summary financial statements.

Auditor's Responsibility

Our responsibility is to express an opinion on the summary financial statements based on our procedures, which were conducted in accordance with Canadian Auditing Standard (CAS) 810, "Engagements to Report on Summary Financial Statements."

Opinion

In our opinion, the summary financial statements derived from the audited financial statements of The Canadian Council of Professional Engineers for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011 are a fair summary of those financial statements, on the basis described in the note entitled Basis of Presentation included as part of these summary financial statements.

Collins Barrow Ottawa LLP

Chartered Accountants, Licensed Public Accountants
April 17, 2013
Ottawa, Ontario

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SUMMARY STATEMENTS OF FINANCIAL POSITION

December 31, 2012, December 31, 2011 and January 1, 2011

	December 31 2012	December 31 2011	January 1 2011
Assets			
Current			
Cash	\$ 1,010,190	\$ 1,305,345	\$ 823,031
Accounts receivable and accrued revenue	1,667,844	1,411,115	1,476,959
Prepaid expenses	272,894	237,868	231,807
	2,950,928	2,954,328	2,531,797
Investments	5,612,207	5,178,755	5,190,305
Capital assets	316,055	282,872	292,535
	\$ 8,879,190	\$ 8,415,955	\$ 8,014,637
Liabilities and Net Assets			
Current			
Accounts payable and accrued liabilities	\$ 553,418	\$ 568,895	\$ 613,285
Deferred revenue	2,679	108,241	-
	556,097	677,136	613,285
Net assets			
Internally restricted			
Four Year Rolling Operational Reserve	4,000,000	4,000,000	4,000,000
General Contingency Reserve	1,325,000	1,325,000	1,325,000
Capital Reserve for the Purchase of Assets	250,000	250,000	250,000
Invested in Capital Assets	316,055	282,872	292,535
Other internally restricted	211,400	125,000	-
	6,102,455	5,982,872	5,867,535
Unrestricted	2,220,638	1,755,947	1,533,817
	8,323,093	7,738,819	7,401,352
	\$ 8,879,190	\$ 8,415,955	\$ 8,014,637

Approved on behalf of the Council:

Catherine Karakatsanis

Catherine Karakatsanis, FEC, FCAE, P.Eng.
Director

Lloyd Henderson

Lloyd Henderson, FEC, P.Eng.
Director

These summary financial statements are prepared from the audited financial statements for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011. A copy of the complete financial statements together with the independent auditor's report thereon is available to any member on request to the Chief Executive Officer of the Council.

SUMMARY STATEMENTS OF OPERATIONS AND CHANGES IN NET ASSETS

For the years ended December 31, 2012 and December 31, 2011

	2012	2012	2011
	Budget (Unaudited)	Actual	Actual
Revenues			
Provincial Assessments	\$ 2,574,307	\$ 2,553,827	\$ 2,465,725
Foreign Credential Recognition	31,200	19,524	19,605
Affinity Programs	4,393,713	4,489,984	4,252,754
Investment Income	203,000	466,571	17,346
Other	221,000	157,081	239,291
Externally Funded Projects	852,830	1,395,709	1,284,814
Total revenues	8,276,050	9,082,696	8,279,535
Expenses			
Canadian Engineering Accreditation Board	491,824	447,489	424,825
Canadian Engineering Qualifications Board	272,118	255,231	246,588
Research Program	383,160	342,725	263,336
International Program	159,550	116,029	106,706
Foreign Credential Recognition	138,200	115,498	84,808
Governance	563,355	636,542	601,185
Affinity Programs	65,000	88,708	109,412
Communications	601,530	491,223	477,922
Government Relations	82,684	78,454	46,463
Corporate Services	4,934,799	4,548,827	4,302,303
Committees and Special Projects	81,000	36,272	49,108
Externally Funded Projects	787,830	1,341,424	1,229,412
Total expenses	8,561,050	8,498,422	7,942,068
Excess (deficiency) of revenues over expenses for the years	\$ (285,000)	\$ 584,274	\$ 337,467
Net assets, beginning of years		\$ 7,738,819	\$ 7,401,352
Excess (deficiency) of revenues over expenses for the years		584,274	337,467
Net assets, end of years		\$ 8,323,093	\$ 7,738,819

These summary financial statements are prepared from the audited financial statements for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011. A copy of the complete financial statements together with the independent auditor's report thereon is available to any member on request to the Chief Executive Officer of the Council.

SUMMARY STATEMENTS OF CASH FLOWS

For the years ended December 31, 2012 and December 31, 2011

	2012	2011
Operating activities		
Excess (deficiency) of revenues over expenses for the years	\$ 584,274	\$ 337,467
Non-cash items:		
Net realized loss (gain) on disposal of investments	25,570	(21,685)
Net unrealized loss (gain) on investments	(284,196)	191,331
Amortization of capital assets	81,589	74,119
	407,237	581,232
Changes in non-cash working capital items:		
Accounts receivable and accrued revenue	(256,729)	65,844
Prepaid expenses	(35,026)	(6,061)
Accounts payable and accrued liabilities	(15,477)	(44,390)
Deferred revenue	(105,562)	108,241
	(5,557)	704,866
Investing activities		
Purchase of investments	(629,904)	(1,001,331)
Proceeds from disposal of investments	455,078	843,235
Acquisition of capital assets	(114,772)	(64,456)
	(289,598)	(222,552)
Net increase (decrease) in cash for the years	(295,155)	482,314
Cash, beginning of years	1,305,345	823,031
Cash, end of years	\$ 1,010,190	\$ 1,305,345

Basis of Presentation

December 31, 2012, December 31, 2011 and January 1, 2011

These summary financial statements are provided for general information purposes only. They are presented on the same basis as the audited financial statements for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011 except that only the overall changes in net assets are presented and the notes to the financial statements have not been included. These items not included herein are however integral parts of financial statements presented in accordance with Canadian Accounting Standards for Not-for-Profit Organizations ("ASNPO"). Consistent with the audited financial statements these summary financial statements do not reflect the substantial value of services contributed by volunteers.

As set out in the audited financial statements for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011, effective January 1, 2012 ASNPO was adopted by the Council. These are the first Summary Financial Statements for which ASNPO applies. The adoption of ASNPO resulted in changes to the composition of the Council's net assets, but not the total net assets, at the date of transition of January 1, 2011 and as at December 31, 2011. In addition investment income, total revenues and the excess (deficiency) of revenues over expenses for the year end December 31, 2011 have changed under ASNPO. Therefore the previously issued Summary Financial Statements have changed. A complete summary and analysis of the impact of the Council's adoption of ASNPO is disclosed in the Council's complete audited financial statements.

These summary financial statements are prepared from the audited financial statements for the years ended December 31, 2012, December 31, 2011 and as at January 1, 2011. A copy of the complete financial statements together with the independent auditor's report thereon is available to any member on request to the Chief Executive Officer of the Council.

Engineers Canada Volunteers

Thank you to our numerous volunteers for their commitment and invaluable contributions to Engineers Canada, to the engineering profession and to the Canadian Public.

A

Georges Abdul-Nour, ing., Ph.D.
Colin Abernethy, P.Eng.
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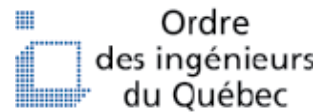
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