



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 234,000 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

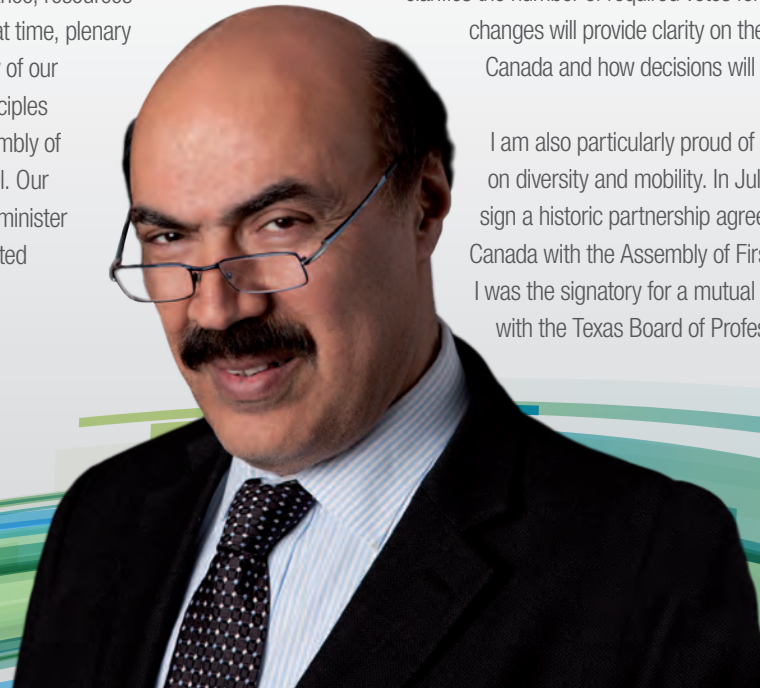
I AM HONOURED TO HAVE SERVED AS ENGINEERS CANADA'S PRESIDENT DURING ITS 75TH YEAR. LOOKING BACK ON THE ACCOMPLISHMENTS WE ACHIEVED WITH OUR CONSTITUENT ASSOCIATIONS AND OTHER STAKEHOLDERS OVER THIS PAST YEAR, WE CERTAINLY HAVE MUCH TO BE PROUD OF. OUR EFFORTS WILL NO DOUBT PROVE SIGNIFICANT FOR THE FUTURE OF THE PROFESSION AS WE HAVE LAID SOLID GROUNDWORK FOR WHAT THE PROFESSION WILL LOOK LIKE IN THE COMING YEARS.

Before I delve into work conducted in 2010, I would first like to thank the Executive Committee for their excellent support and guidance.

One of the things I am most proud of during my tenure as president is the work accomplished by the Synergy Task Force. The Task Force was created in 2008 to establish a roadmap to discuss, with the constituent associations, issues surrounding the governance, resources and mandate of Engineers Canada. Since that time, plenary discussions on key areas resulted in a review of our bylaws and the establishment of guiding principles for governance. In May of this year, the Assembly of Members approved a new governance model. Our bylaws were amended and submitted to the minister of industry for final approval, which was granted in November.

Some of the changes in governance include a change to the formula to determine the number of representatives from the constituent associations, and the addition of the chairs of the Canadian Engineering Accreditation Board, Canadian Engineering Qualifications Board, the Chief Executive Officers Group and the National Council of Deans of Engineering and Applied Science as advisors to the Board. The new governance model also clarifies the number of required votes for decision-making. All these changes will provide clarity on the expected role of Engineers Canada and how decisions will be made in the future.

I am also particularly proud of our work conducted in 2010 on diversity and mobility. In July, I was pleased to be able to sign a historic partnership agreement on behalf of Engineers Canada with the Assembly of First Nations, and in October I was the signatory for a mutual recognition agreement with the Texas Board of Professional Engineers.



Furthermore, among my goals as president was to get engineers thinking about what it *means* to be an engineer. It is my wish for individual engineers to be seen as ambassadors, promoting and advancing this great profession, collectively demonstrating to Canadians how engineering positively affects every aspect of their daily lives.

I sincerely thank my fellow Board members for their collaboration and commitment, and our constituent associations and Engineers Canada staff for welcoming me in my role as president and for their assistance and hard work throughout the year. Finally, I would like to offer a special thank you to Chantal Guay, ing., P.Eng., M.Env., for her dedication to the organization and the profession.

It has been an honour and a great responsibility to have served as your president this year. As we move into the future, I am proud to have made my contribution to the success of Engineers Canada and to an even stronger engineering profession.



Zaki Ghavitian, FIC, ing., M.ing.

PRESIDENT

ENGINEERS CANADA BOARD 2010-2011



FROM TOP ROW, LEFT TO RIGHT:

Dan Motyka, FEC, P.Eng., (Past-President) (Alberta)
Ken From, FEC, P.Eng., (Saskatchewan)
Paul Amyotte, FEC, P.Eng. (Nova Scotia)
Kevin Hodgins, FEC, P.Eng. (Northwest Territories)
Margaret Li, FEC, P.Eng. (British Columbia)
Dick Fletcher, FEC, P.Eng. (British Columbia)
Zaki Ghavitian, FIC, ing., M.ing. (President) (Quebec)
Dick Myers, FEC, P.Eng. (Newfoundland and Labrador)
Mike Smyth, FEC, P.Eng. (Alberta)
Chris Roney, FEC, P.Eng. (Ontario)
Sid Zerbo, ing. (Quebec)
Ron LeBlanc, FEC, P.Eng. (Prince Edward island)
Louise Quesnel, FIC, ing. (Quebec)
Brent Smith, FEC, P.Eng. (President-Elect) (New Brunswick)

Chantal Guay, ing., P.Eng., M.Env.
(Chief Executive Officer)

Cord Hamilton, P.Eng. (Yukon)
Catherine Karakatsanis, FEC, P.Eng. (Ontario)
Digvir S. Jayas, FEC, P.Eng. (Manitoba)
Walter Bilanski, FEC, P.Eng. (Ontario)

ABSENT:

Jim Beckett, FEC, P.Eng. (Observer) (Alberta)
David W. Euler, FEC, P.Eng. (Observer) (Ontario)
Jacinta M. O'Brien, FEC, P.Eng. (Advisor) (Ontario)
Christopher S. Zinck, FEC, P.Eng. (Advisor) (Nova Scotia)
Claude Laguë, P.Eng., ing. (Advisor) (Ontario)
Len White, FEC, P.Eng. (Advisor) (Nova Scotia)

Synergy Task Force

Created in 2008 by the Board of Engineers Canada, the Synergy Task Force has been reviewing the organization's mandate, governance model, and financial sustainability. The Task Force submitted a final report for consideration and approval by the Board and the constituent associations.



FROM TOP ROW, LEFT TO RIGHT:

Diane Freeman, FEC, P.Eng.
Dan Motyka, FEC, P.Eng.
Brent Smith, FEC, P.Eng.
Dennis Paddock, FEC, P.Eng.
Rick Kullman, FEC, P.Eng.
Richard A. Fletcher, FEC, P.Eng.
Chantal Guay, ing, P.Eng., M.Env.,
Chief Executive Officer
Maud Cohen, ing.
Catherine Karakatsanis, FEC, P.Eng.
Zaki Ghavitian, FIC, ing., M.ing., *President*

ABSENT:

Kim Allen, P.Eng., MBA
Marc Bourgeois, *Engineers Canada*
André Rainville, ing.
Michael Smyth, FEC, P.Eng.

CHIEF EXECUTIVE OFFICER'S MESSAGE

THE PAST YEAR HAS BEEN ONE OF REVITALIZATION AND REORGANIZATION FOR ENGINEERS CANADA. IF OUR ACHIEVEMENTS OF 2010 ARE ANY INDICATION, THEN THE FUTURE OF ENGINEERS CANADA AND THE PROFESSION LOOK VERY BRIGHT. NONE OF IT COULD HAVE BEEN ACHIEVED WERE IT NOT FOR THE FULL ENGAGEMENT AND COMMITMENT OF OUR BOARD AND CONSTITUENT ASSOCIATIONS. AS I REFLECT ON OUR PROGRESS I AM VERY PROUD TO BE PART OF THIS ORGANIZATION.

As indicated by President Ghavitan in his message, of particular note was the work of the Synergy Task Force. The Task Force remained steadfastly aligned with their guiding principles to ensure the commitment and engagement of the constituent associations, open and transparent communications, and timely and committed decision-making as we worked to address issues surrounding the governance, resources and mandate of Engineers Canada.

As a result, we will be putting the finishing touches on our 2011-2015 strategic plan, and will be implementing a process that will allow us to keep our plan current, dynamic and aligned with the needs of the constituent associations.

In determining these needs and how to improve, we examine the past and keep an eye on the future. One example of this is striving to improve society. Social responsibility is a core value of what engineers do.

Ultimately it means demonstrating a commitment to protecting the public, the environment and improving the quality of life of Canadians. I encourage you to review the section on social responsibility (see page 8) for more details about the related work Engineers Canada undertakes locally and internationally.

In other projects, the Engineers Canada office underwent renovations that occurred over the summer, bringing all staff members onto the same floor to improve office efficiencies. Despite the disruptions, staff continued to work diligently to support the Board, committees, task forces and advisory groups on the many initiatives Engineers Canada undertakes on behalf of the profession.

Our profession's achievements are of direct benefit to Canada's public, and it is an honour to work alongside my peers who dedicate so much of themselves and their time throughout the year to work toward that goal.



ENGINEERS CANADA STAFF 2010



I would like to sincerely thank the members of our Board, constituent associations and many volunteers, in particular the members of the Synergy Task Force, the Chief Executive Officers Group and the constituent association presidents for their contributions to a better profession, and ultimately, a better society.

I would also like to express my sincere appreciation to my team. I consider myself very lucky to be part of such a dedicated, hard working and fun group of people.

My thanks go to President Ghavtian for his leadership, and to Past-President Dan Motyka, FEC, P.Eng., for his commitment to the organization. I look forward to working with President-Elect Brent Smith, FEC, P.Eng., of Engineers and Geoscientists New Brunswick, as we forge ahead into another year full of possibility as a profession stronger than ever.

Chantal Guay ing. P.Eng.

Chantal Guay, ing., P.Eng., M.Env.

CHIEF EXECUTIVE OFFICER

FIRST ROW, FRONT (FROM LEFT):

Lucy Lefebvre
Lynn Tremblay
Chantal Guay, ing., P.Eng., M.Env.
William Meyer
Carol-Anne Tyndall

SECOND ROW (FROM LEFT):

Lorelei Scott
Alana Lavoie
Marie Claverie
Dawn Lilly
John Kizas, P.Eng.
Nicole Martel
Brett Stoner
Marie-Lynne Grandbois
Marlene McCourt
Chantal Colavizza
Ken McMartin, FEC, P.Eng.
Emilie Adams
Rosie Huot

Alexander Olivas
Joceline Diotte
David Lapp, P.Eng.

THIRD ROW (FROM LEFT):

Maria Arrieta
Samantha Colasante
Wendy Miyagawa
Dawn Graham
Lynn Villeneuve
Marie Carter, P.Eng.

ABSENT:

Marc Bourgeois
Lisa Dennis
Gordon Griffith, P.Eng., ing.
Stephanie Price, P.Eng.
Elisa Rolon
Doris Yee

SOCIAL RESPONSIBILITY

Engineers Canada strives to perform all of its core activities within the context of social responsibility, which means a commitment to society, environmental sustainability and fiscal responsibility. All of the organizations' activities are done to benefit its members and the public.

Committed to Society

Public interest is a core value integrated into everything engineers do. Engineers abide by strong ethics and provide leadership to ensure a positive contribution to the well-being of their communities.

Inherent in Engineers Canada's business model is the goal of improving society, and the organization has been focusing on this goal both at home and internationally.

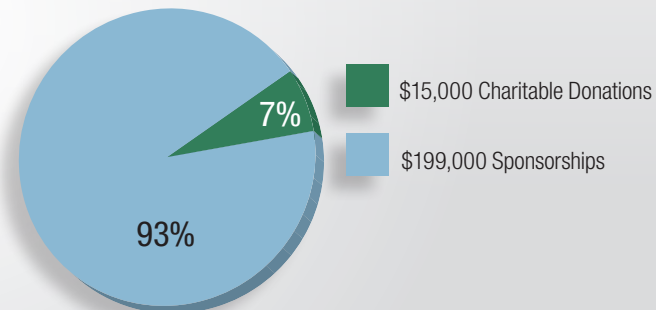
Nationally, Engineers Canada works collaboratively and proactively with the federal government on federal public policy, legislation, regulations, and acts that have the potential to affect public interest or the profession of engineering in Canada. In addition, it supports programs such as the Canadian Engineering Memorial Foundation's scholarship program for women in engineering. This program was established in 1990 following the École Polytechnique tragedy that ended the lives of 14 young women, and offers scholarships to promote engineering as a career choice for young women. Staff contribute to this program throughout the year via payroll deductions for casual Fridays and office raffles.

Internationally, Engineers Canada is the chair of World Federation of Engineering Organizations' Committee on Engineering and the Environment, and also works with Engineers Without Borders, an organization created to help citizens of developing nations

access services and develop infrastructure for long-term benefits. Involvement in these types of organizations is a concrete way of using our engineering expertise for the greater good.

However, as the saying goes, charity begins at home. Many of our staff members are actively involved in volunteer activities in their communities. As an organization, Engineers Canada is committed to the community of Ottawa, where the organization's office is located. In 2010, Engineers Canada staff donated food to the local Ottawa Food Bank during the holidays, and every year they make Christmas donations to various charities that provide local humanitarian relief. Engineers Canada has also sponsored and participated in the Rideau Canal Festival for the past two years, a zero emissions and zero waste event that celebrates the Canal's national historic significance, along with its engineering achievements.

CHARITABLE DONATIONS AND SPONSORSHIPS 2010



Committed to Environmental Sustainability

Professional engineers are morally obligated to ensure that engineering principles are used to preserve our natural resources and to adapt existing and future infrastructure to the vulnerabilities of a changing climate. Engineers play a pivotal role in working together, and with other professions, to create solutions to deal with these challenges. In addition to the work of the Public Infrastructure Engineering Vulnerability Committee, Engineers Canada also participates in the World Federation of Engineering Organizations' Committee on Engineering and the Environment.

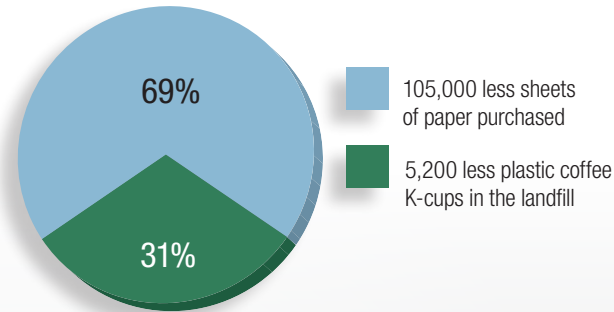
At an organizational level, Engineers Canada is committed to reducing the direct and indirect environmental impacts of its day-to-day operations and practices, and enhancing its environmental stewardship. The organization developed a green meetings policy, which governs its meetings and ensures minimum 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.

The first step in reducing Engineers Canada's footprint was to assess our environmental impact and focus on areas of improvement. We have now implemented a tracking system that evaluates the carbon footprint of our meetings to help us find ways to reduce our impact even further. Staff have worked very hard to create more efficiency around the office, which resulted in environmentally friendly

alternatives for supplies and services and reduced paper consumption and food waste. Engineers Canada has also reduced its carbon footprint by increasing web and telephone conferencing.

REDUCED OFFICE WASTE 2010



Committed to Fiscal Responsibility

As Engineers Canada is a non-for-profit organization, its fulfillment of the third aspect of social responsibility is not to make profit, but to be transparent and accountable for its finances so that the best services are delivered to the constituent associations, partners and other stakeholders with the available funds.

Engineers Canada works to ensure that its constituent associations are all treated fairly with respect to their contributions to the organization. The organization's financial planning process is predictable, open and transparent, and is linked to its strategic plan. Open and transparent communications with respect to strategic, business and financial plans serve the goal of providing direct value and benefit to all constituent associations, their registrants and the profession as a whole.

Strategic Objective #1

SUPPORT CONSTITUENT ASSOCIATIONS' REGULATORY ACTIVITIES

Why this Objective?

To help our constituent associations protect the public by:

- Ensuring engineering graduates are well rounded, ready for the workforce and meet academic requirements for licensure.
- Ensuring consistency in licensure standards across the country, thus easing labour mobility.
- Standardizing discipline and enforcement practice guidelines.
- Keeping them current on emerging trends and new fields of engineering so that they are able to adapt and maintain the relevance of their regulatory schemes.

Objective's Goals:

- Assure that accredited Canadian engineering university programs meet or exceed constituent association educational standards via a sustainable accreditation model.
- Foster the improvement of the quality of engineering education.
- Enhance consistency of high requirement for licensure as a professional engineer and the practice of engineering.
- Enhance mutual recognition of qualifications at the educational level between Canada and other countries.

Some of the Ways Strategic Objective #1 is Reached:

CANADIAN ENGINEERING ACCREDITATION BOARD

www.engineerscanada.ca/e/pr_accreditation.cfm

THE CANADIAN ENGINEERING ACCREDITATION BOARD ACCREDITS CANADIAN UNDERGRADUATE ENGINEERING PROGRAMS THAT PROVIDE THE ACADEMIC REQUIREMENTS NECESSARY FOR LICENSURE AS A PROFESSIONAL ENGINEER IN CANADA. IT ALSO DETERMINES THE EQUIVALENCY OF ACCREDITATION SYSTEMS IN OTHER COUNTRIES AND MONITORS THE ACTIVITIES OF THOSE BODIES WITH WHICH MUTUAL RECOGNITION AGREEMENTS ON ACCREDITATION HAVE BEEN SIGNED WITH ENGINEERS CANADA.

Canadian Engineering Accreditation Board 2010 highlights:

- Twelve Accreditation Board visits within Canada. During those visits, Accreditation Board volunteers evaluated 26 programs (including seven new programs).
- Rendered decisions on 81 Canadian programs during its meetings in February, June and September 2010.
 - The June 2010 Accreditation Board meeting marked the first time the Accreditation Board granted accreditation to a program delivered at a non-university institution.

- There was one substantial equivalency visit to evaluate six programs. In addition, two international institutions submitted reports, each for one program. One decision was rendered in February 2010, and the other in September 2010.
- Passed a motion in June 2010 in the spirit of mutual cooperation and better communications between Engineers Canada's two standing boards stating that the Accreditation Board supports representation of Accreditation Board members observing Qualifications Boards meetings and equally supports Qualifications Board members observing Accreditation Board meetings.
- Both at the domestic and international level, a number of issues were monitored, including the delivery of accredited programs by non-university institutions, distance education, changes in educational formation requirements for entry into the practice of engineering in other jurisdictions.
- Participated in the Latin American and Caribbean Consortium of Engineering Institutions Conference in Arequipa, Peru on June 1 to 4, 2010. The Consortium has developed a program accreditation model that includes the participation of experienced peer evaluators who would accompany program heads as they prepare for their first accreditation visit; ABET has agreed to match this model to its accreditation criteria and to recommend experienced peer evaluators.



Many thanks to the 2010-2011 Canadian Engineering Accreditation Board volunteers:

FROM LEFT:

Wayne MacQuarrie, FEC, P.Eng.
René Rochette, ing., *Vice-Chair*
Rosamund Hyde, Ph.D., P.Eng.
Malcolm Reeves, FEC, P.Eng.
Christopher Watts, P.Eng.
Jacinta O'Brien, FEC, P.Eng., *Chair*
Michel Couturier, P.Eng.
Jim Lee, FEC, P.Eng.
Dick Kind, Ph.D., P.Eng.
Gérard Lachiver, ing.
Svetlana Brzev, Ph.D., P.Eng.
Ross Peters, FEC, P.Eng., *Past-Chair*

ABSENT:

Guy Gendron, ing.
Digvir Jayas, FEC, P.Eng.,
Observer from the Engineers Canada Board

Ron LeBlanc, FEC, P.Eng.,
Representative from the Engineers Canada Board
Witold Pedrycz, Ph.D., P.Eng.
Louise Quesnel, FIC, ing.,
Observer from the Engineers Canada Board
Graham Reader, Ph.D., P.Eng., C.Eng., Eur., ing.
Chris Roney, FEC, P.Eng.,
Representative from the Engineers Canada Board

ENGINEERS CANADA STAFF:

Gordon Griffith, P.Eng., ing., *Secretary*
Lynn Villeneuve, LL.B.
Maria Arrieta
Alexander Olivas
Rosie Huot

- Attended the International Engineering Alliance meetings that included the Washington Accord meeting and workshops on June 21 to 25, 2010, in Ottawa. On the agenda were three applications for provisional membership, and one application for signatory status in the Washington Accord. Thanks to the discussions and recommendations made by the Accreditation Board at the June 2010 meeting, the Engineers Canada delegation had sufficient information to vote on these matters.
- Participated in a Engineering for the Americas meeting in September 2010, where there were discussions regarding the Greater Caribbean Region Engineering Accreditation System initiative as well as building a curriculum in four South American countries.
- Held a joint Accreditation Board/Qualifications Board workshop on graduate attributes and professional competencies on September 18, 2010, in Montréal. Workshop participants discussed the alignment of the Accreditation Board graduate attributes with the Qualifications Board practice competencies, including formalizing definitions.
- Attended the ABET annual meeting in Baltimore, Maryland, in October 2010.

The Policies and Procedures Committee:

- Continued to work on issues to improve Canadian engineering education, including considering the expansion of the range of sources of evidence gathered during the accreditation process to include industry advisors, program graduates, employers, etc.
- Worked on ways to evaluate the experiential learning gained through internships and cooperative placements in industry; on how to emphasize the analysis of depth and/or coherence within programs and program options.
- Examined, in consultation with the Dean's Liaison Committee of the National Council of Deans of Engineering and Applied Science, possible ways and means to assist post-secondary institutions to provide international exchange programs while complying with established and approved accreditation criteria, thereby maintaining the very high standards expected of graduates from Canadian accredited programs.
- Considered a number of other issues with the Deans' Liaison Committee, including:
 - New outcomes based criteria implementation strategy
 - Graduate attribute measurement tools
 - Modifications to the advanced standing regulations to facilitate international exchanges
 - Proposed conflict of interest statement
 - Accreditation training program update

CANADIAN ENGINEERING QUALIFICATIONS BOARD

www.engineerscanada.ca/e/pr_qualifications.cfm

THE CANADIAN ENGINEERING QUALIFICATIONS BOARD PROMOTES NATIONAL CONSISTENCY ON MATTERS RELATING TO LICENSING AND REGISTERING PROFESSIONAL ENGINEERS AND REGULATING THE PROFESSION BY DEVELOPING NATIONAL GUIDELINES ON PROFESSIONAL ENGINEERING QUALIFICATIONS, STANDARDS OF PRACTICE, ETHICS AND PROFESSIONAL CONDUCT. IT ALSO PROMOTES INTER-ASSOCIATION MOBILITY OF PROFESSIONAL ENGINEERS, FACILITATES DISCUSSION ON MATTERS RELATING TO ENGINEERING QUALIFICATIONS AND PROFESSIONAL PRACTICE, AND MONITORS AS WELL AS RESEARCHES EMERGING AREAS OF ENGINEERING DISCIPLINES AND PRACTICE.

Canadian Engineering Qualifications Board sub-committee 2010 highlights:

Admissions Issues Committee:

- Proposed a split for the *Guideline on Admission to the Practice of Engineering in Canada* to create specific documents for the two main audiences – constituent associations and the public (potential applicants).
- Implemented disclaimer language for all Engineers Canada guidelines that has been included inside the guidelines as well as a website pop up.

Continuing Competence Committee:

- Began development of a discussion paper to examine the difference between continuing competence and continuing professional development, the effect of varying continuing professional development requirements on engineers licensed in more than one jurisdiction, and the impact of these variations on mobility.

Engineer-in-Training Committee:

- Developed an interpretive guide to the *Guideline for Engineer-in-Training Program* to help further describe the role of the engineer-in-training, the supervisor, and the mentor.
- Developed an exit survey for fourth-year university graduates for deployment by the constituent associations.

National Examinations Committee:

- Continued work on the body of knowledge and incorporated it as an interpretive guide to the *Guideline on the Professional Practice Examination*, complete with reference and desired learning outcomes.

Environment and Sustainability Committee:

- Undertook a review of the 2004 national Climate Change Impacts and Adaptation Action Plan and issued a progress report for the constituent associations and Engineers Canada. A second, follow-up five-year action plan building on the accomplishments of the first plan is under development for presentation in 2011.

- Supported the Canadian Standards Association and Environment Canada in publishing Version 1.0 of “Development, Interpretation and Use of Rainfall Intensity-Duration-Frequency (IDF) Information: Guideline for Canadian Water Resources Practitioners” in July 2010. Engineers Canada assumed a co-chair role with Environment Canada for the development of Version 2.0, to be published in 2011. This version involves a broader consultation with a larger user community, including the constituent associations, to solicit feedback and improvements on Version 1.0.
- Continued to monitor the work of the Public Infrastructure Engineering Vulnerability Committee. Several committee members participated in project advisory committees for individual case studies determining infrastructure climate risk using the Infrastructure Climate Risk Protocol.
- Supported the development of a review draft of an international guideline on environmental stewardship and sustainable development for engineers to be promulgated through World Federation of Engineering Organizations’ Committee on Engineering and the Environment. The guideline is to be tabled at the World Federation of Engineering Organizations’ General Assembly in September 2011.
- Held two teleconferences of the environment and sustainability officials of the constituent associations to exchange information on issues of concern as well as to receive briefings on the work of the national committee, the Vulnerability Committee and the World Federation of Engineering Organizations’ Committee on Engineering and the Environment.

- Presented the national environment and sustainability guideline and the practice guideline on site remediation as part of the technical program at the Engineers Nova Scotia Annual General Meeting on September 16, 2010.

Syllabus Committee:

- Updated the Mining and Mineral Processing Engineering Examination Syllabus and textbook list, and the Metallurgical Engineering Examination Syllabus and textbook list, and published them on the Engineers Canada website.

Practice Committee:

- Completed and published the model guide on *Concepts of Professionalism* on the members-only side of the Engineers Canada website.

Industry Liaison Committee:

- Opened communications with three human resource sector councils (the Mining Industry Human Resources Council, the Electricity Sector Council and the Information and Communications Technology Council) through The Alliance of Sector Councils of which Engineers Canada is a partner organization, with the goal of familiarizing the sector councils with engineering licensure, its value and to identify projects of joint interest.



Many thanks to the 2010-2011 Canadian Engineering Qualifications Board volunteers:

FROM TOP ROW, LEFT TO RIGHT:

- Gary Faulkner**, FEC, P.Eng.
- Bob Dunn**, FEC, P.Eng.
- Malcolm Symonds**, FEC, P.Eng.
- Christopher Zinck**, FEC, P.Eng., *Chair*
- Don MacEwen**, FEC, P.Eng.
- Ken McMartin**, FEC, P.Eng., *Engineers Canada*
- Lynn Tremblay**, *Engineers Canada*
- Paul Blanchard**, FEC, P.Eng.
- Jüri Silmberg**, FEC, P.Eng.
- John Manson**, FEC, P.Eng., *Past-Chair*
- Dennis Peters**, P.Eng.
- Peter Gregson**, FEC, P.Eng.
- David Lapp**, P.Eng., *Engineers Canada*
- Stephanie Price**, P.Eng., *Engineers Canada*
- Louise Quesnel**, FIC, ing.

- Walter Bilanski**, FEC, P.Eng.,
Observer from the Engineers Canada Board
- Margaret Li**, FEC, P.Eng.,
Representative from the Engineers Canada Board
- Ken From**, FEC, P.Eng.,
Representative from the Engineers Canada Board
- Suzelle Barrington**, FIC, ing., *Vice-Chair*

ABSENT:

- Michael Smyth**, FEC, P.Eng.,
Observer from the Engineers Canada Board

Strategic Objective #2

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

Why this Objective?

To support our constituent associations by:

- Increasing various stakeholders' awareness of the value of the engineering profession and its self-regulation in Canadian society.
- Increasing student awareness of the importance and value of licensure, thus increasing licensure uptake.
- Providing timely identification of emergent fields for integration into the engineering profession.

Objective's Goals:

- Increase employers' recognition of the importance of licensure for engineering practice.
- Support the efforts of the constituent associations to integrate engineering students into the profession.
- Facilitate the integration of international engineering graduates into the engineering profession.

Some of the Ways Strategic Objective #2 is Reached:

FOREIGN QUALIFICATION RECOGNITION

www.fc2i.engineerscanada.ca/e/index.cfm

ENGINEERS CANADA WORKS TO FACILITATE TIMELY LICENSURE OF INTERNATIONAL ENGINEERING GRADUATES WITHOUT COMPROMISING PUBLIC SAFETY OR LOWERING PROFESSIONAL STANDARDS.

FOREIGN QUALIFICATION RECOGNITION IS A CORE BUSINESS FOR THE CONSTITUENT ASSOCIATIONS AND ENGINEERS CANADA, AND RECOMMENDATIONS STEMMING FROM THE COMPLETED *FROM CONSIDERATION TO INTEGRATION* PROJECT CONTINUE TO BE IMPLEMENTED.

Foreign Qualification Recognition related projects' 2010 highlights:

- The Alternative Methods of Licensure Project concluded in May 2010 when the Board approved the recommendations contained in the Part 2 report, including a recommendation to continue with the development of the competency-based system for engineering work experience assessment, including a pilot project.
 - Developed an implementation plan for the next project entitled *Competency-Based Assessment System for Engineering Work Experience*.

- Stemming from the two-year Engineering and Technology Labour Market Study (www.engineerscanada.ca/etlms) that was completed in 2009:
 - Updated the labour market tracking system that was initiated in 2008, based on new economic, industry and demographic projections and input from provincial labour market information committees.
 - Published an internal report on engineering labour market conditions for 2009-2018.
 - Engineers Canada staff is developing a communications campaign to promote the study and its results.
- In June 2010, Citizenship and Immigration Canada released ministerial orders making it mandatory for English- or French-language proficiency testing to accompany any applications for citizenship. Engineers Canada is investigating the requirements further to confirm compatibility with our own language benchmarking and training initiatives.
 - Formed steering committee working groups to advise on and review draft documents developed by the Centre for Canadian Language Benchmarks. The Centre for Canadian Language Benchmarks conducted field trials on the two draft versions of the tests in March 2010 in various cities across Canada.
 - Secured funding from Citizenship and Immigration Canada through their Foreign Credential Referral Office to help advance this initiative to develop a language benchmark for engineering.
- Worked with the constituent associations to gather participants for the official pilot test that took place in 2010.
- The Chief Executive Officers Group has been working on the implementation of the Agreement on Internal Trade and the Pan-Canadian Framework for the Assessment and Recognition of Foreign Qualifications. As part of that work, federal government funding was obtained to carry out a review of acts, bylaws and regulations for the development of best practices guidelines.

ENGINEERS CANADA STAFF:

Gordon Griffith, P.Eng., ing.
Alexander Olivas
Stephanie Price, P.Eng.
Elisa Rolon, P.Eng.
Doris Yee

ENGINEERS CANADA AWARDS

www.engineerscanada.ca/e/prog_awards_1.cfm

PRESENTED ANNUALLY TO RECOGNIZE OUTSTANDING CANADIAN ENGINEERS, TEAMS OF ENGINEERS, ENGINEERING PROJECTS AND ENGINEERING STUDENTS, THE ENGINEERS CANADA AWARDS HIGHLIGHT ENGINEERING EXCELLENCE, AS WELL AS THE CONTRIBUTIONS OF CANADIAN ENGINEERS TO THEIR PROFESSION, THEIR COMMUNITY, AND TO PUBLIC SAFETY AND WELL-BEING.

Nine outstanding professionals were celebrated during the Engineers Canada Awards gala held on May 29, 2010:

- **Gold Medal Award** – Julie Payette, ing. (OIQ)
- **Young Engineer Achievement Award** – Constantin Christopoulos, Ph.D., P.Eng. (PEO)
- **Meritorious Service Award for Professional Service** – Mike V. Currie, P.Eng. (APEGBC)
- **Meritorious Service Award for Community Service** – Jonathan C. Noble, FEC, P.Eng. (Engineers Nova Scotia)
- **Medal for Distinction in Engineering Education** – Greg J. Evans, Ph.D., P.Eng. (PEO)
- **National Award for an Engineering Project or Achievement** – Manitoba Hydro Place: Alan Aftanas, P.Eng. (APEGM)
- **Award for the Support of Women in the Engineering Profession** – Cristina H. Amon, Sc.D., P.Eng. (PEO)
- **Gold Medal Student Award** – Jane Chui (Ontario)
- **Gold Medal Student Award** – Mike Klassen (Ontario)

Engineers Canada gratefully acknowledges the sponsors of the 2010 Engineers Canada Awards:





Award Recipients

FROM TOP ROW, LEFT TO RIGHT:

Mike Klassen
Dan Motyka, FEC, P.Eng., *Past-President*
Chantal Guay, ing., P.Eng., M.Env.,
Chief Executive Officer
Constantin Christopoulos, Ph.D., P.Eng.
Mike V. Currie, P.Eng.
Greg J. Evans, Ph.D., P.Eng.
Jane Chui
Jonathan C. Noble, FEC, P.Eng.
Julie Payette, ing.



Many thanks to the 2010-2011 Awards Committee volunteers:

FROM TOP ROW, LEFT TO RIGHT:

Dick Myers, FEC, P.Eng.
Dave Chalcraft, FEC, P.Eng., *Chair*
Ron LeBlanc, FEC, P.Eng.
Louise Quesnel, FIC, ing.
Walter K. Bilanski, FEC, P.Eng.

ABSENT:

Ken From, FEC, P.Eng.
Serge Villemure,
*The Natural Sciences and Engineering Research
 Council of Canada*
Marc Bourgeois, *Engineers Canada*
Lucy Lefebvre, *Engineers Canada*

SCHOLARSHIPS

www.engineerscanada.ca/e/pr_awards_2.cfm

ON OCTOBER 5, 2010, SEVEN SCHOLARSHIPS TOTALING \$70,000 WERE AWARDED BY ENGINEERS CANADA TO OUTSTANDING PROFESSIONAL ENGINEERS TO REWARD EXCELLENCE IN THE CANADIAN ENGINEERING PROFESSION AND TO SUPPORT ADVANCED STUDIES AND RESEARCH.

Engineers Canada thanks Manulife Financial and TD Insurance Meloche Monnex for generously supporting the 2010 scholarships.



Engineers Canada-Manulife Financial Scholarships Recipients

FROM LEFT TO RIGHT:

Jim Saramas, *Manulife Financial*
Chantal Guay, ing., P.Eng., M.Env.,
Chief Executive Officer
Julie A. Bailey, P.Eng.
Mark J. Cuglietta, P.Eng.

Giovanni Montesano, P.Eng.
Zaki Ghavitian, FIC, ing., M.ing.
President



Engineers Canada-Manulife Financial Scholarships

During the scholarships gala on October 5, 2010, Manulife Financial announced it was increasing its scholarships from \$10,000 to \$12,500 each, with the 2010 recipients being the first to receive the new amount.

The scholarships provide financial assistance to Canadian professional engineers returning to university for further study or research in an engineering field.

The 2010 Engineers Canada-Manulife Financial Scholarship recipients were:

- Julie A. Bailey, P.Eng., Engineers Nova Scotia, Ph.D. in Interdisciplinary Studies, Dalhousie University
- Mark J. Cuglietta, P.Eng., APEGGA, Ph.D. in Mechanical Engineering, University of Toronto
- Giovanni Montesano, P.Eng., PEO, Ph.D. in Aerospace Engineering, Ryerson University



Engineers Canada-TD Insurance Meloche Monnex Scholarships

These scholarships support 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. Valued at \$7,500 each.

The 2010 Engineers Canada-TD Insurance Meloche Monnex Scholarship recipients were:

- Alesya Bajoria, P.Eng., APEGGA, Master of Business Administration in natural Resources, Energy and Environment, University of Alberta
- Allan Alfonso, P.Eng., PEO, Master of Business Administration, Richard Ivey School of Business, University of Western Ontario
- Michael V. Callaghan, MSc, P.Eng., APEGGA, Ph.D. in Geoscience, University of Calgary

Valued at \$10,000, the Engineers Canada-TD Insurance Meloche Monnex Léopold Nadeau Scholarship supports Canadian professional engineers returning to university for further study or research **in the area of public policy development.**

The 2010 Engineers Canada-TD Insurance Meloche Monnex Léopold Nadeau Scholarship recipient was:

- Brett Kristina Stevenson, P.Eng., APEGGA, Master of Public Administration in Public and Nonprofit Management and Policy, Wagner School of Public Service, New York University



Engineers Canada-TD Insurance Meloche Monnex Scholarship Recipients

FROM LEFT TO RIGHT:

Jean Lachance,
TD Insurance Meloche Monnex
Chantal Guay, ing., P.Eng., M.Env.,
Chief Executive Officer
Allan Alfonso, P.Eng.

Alesya Bajoria, P.Eng.
Brett Kristina Stevenson, P.Eng.
Michael V. Callaghan, P.Eng.
Zaki Ghavitian, FIC, ing., M.ing.
President

Strategic Objective #3

INFLUENCE FEDERAL GOVERNMENT PUBLIC POLICY AND DECISION-MAKING

Why this Objective?

To support our constituent associations by:

- Having the federal government consult the engineering profession on policy development and trade agreements related to the engineering profession.
- Ensuring their satisfaction with the support received from Engineers Canada regarding influencing provincial and municipal policy and decision-making.
- Increasing awareness by government stakeholders of the value of self-regulation and of the value of the engineering profession to Canadian society.

Objective's Goals:

- Advise the federal government and initiate appropriate strategies regarding policy issues and development of legislation and regulations relevant to public safety and engineering.
- Support on request the efforts of our constituent associations, to influence provincial and municipal policy and decision-making.
- To educate federal decision-makers about the engineering profession, its values and its activities.

Some of the Ways Strategic Objective #3 is Reached:

GOVERNMENT RELATIONS COMMITTEE

www.engineerscanada.ca/e/pr_government.cfm

THE GOVERNMENT RELATIONS COMMITTEE FOCUSES ON SUSTAINED DIALOGUE WITH THE FEDERAL GOVERNMENT IN AREAS OF DIRECT RELEVANCE TO THE ENGINEERING PROFESSION. THE COMMITTEE MONITORS HOUSE OF COMMONS AND SENATE COMMITTEES HEARINGS AND DEMONSTRATES THAT THE ENGINEERING PROFESSION HAS THE SKILLS AND EXPERTISE TO MAKE VALUABLE CONTRIBUTIONS TO GOVERNMENT.

Government Relations Committee 2010 highlights:

- Developed timelines for both a regular and fast-tracked process for the development of national position papers.
 - Finalized a revised national position statement on research and development and innovation spending.
 - Researching the issue of nanotechnology with the objective of developing a national position statement.

- Revitalized the Bridging Government and Engineers program, a grassroots initiative that not only builds on the federal government's awareness of the engineering profession but also enables engineers to make a valuable contribution to issues that affect Canadians at large.
 - Updated training tools, taking into account changes internally and in the federal landscape, and putting into practice some lessons learned.
 - Face-to-face training sessions took place in Ottawa, Montréal and Vancouver for new and current members of the Board as well as professional engineers.
 - Continued to work with the constituent associations who have developed their own grassroots programs in order to develop a more systematic approach for sharing best practices.
- On March 23, 2010, staff met with senators Mac Harb and Joseph Day, P.Eng., to discuss ways in which to help raise the profile of engineers.
- Co-hosted, with the Canadian Public Works Association, a picnic lunch on Parliament Hill on June 2, 2010. The event was well attended, with 328 staffers, including 34 members of Parliament and six senators.
- In early July, President Zaki Ghavitian and Chief Executive Officer Chantal Guay wrote to Industry Minister Tony Clement to outline concerns regarding the decision to replace the mandatory long-form census questionnaire with a voluntary survey during the 2011 census.
- For the second year in row, Engineers Canada was a key sponsor of the Rideau Canal Festival. On July 29, 2010, Engineers Canada and the festival organizers hosted a small reception for municipal, provincial, and federal politicians, and other local groups involved with the Rideau Canal.
- Submitted a pre-budget submission on August 10, 2010, to the House Standing Committee on Finance, making several recommendations

focused on research and development and innovation spending, infrastructure spending and investment in climate change initiatives.

- Participated in a variety of networking events including those hosted by the Public Policy Forum, the Women's Executive Network, the Government Relations Institute of Canada, the Institute of Public Administration of Canada, and the Partnership Group for Science and Engineering's Bacon'n'Eggheads series.



Many thanks to the 2010-2011 Government Relations Committee volunteers:

FROM TOP, LEFT TO RIGHT:

Kevin Hodgins, FEC, P.Eng., *Chair*
Dan Motyka, FEC, P.Eng.
Sid Zerbo, ing.
Alana Lavoie, *Engineers Canada*
Marc Bourgeois, *Engineers Canada*
Dick Myers, FEC, P.Eng.
Richard A. Fletcher, FEC, P.Eng.

Christopher Zinck, FEC, P.Eng.
Jacinta O'Brien, FEC, P.Eng.
Catherine Karakatsanis, FEC, P.Eng.
Chantal Guay, ing., P.Eng., M.Env.,
Chief Executive Officer

ABSENT:

Kim Allen, P.Eng.

Strategic Objective #4

CREATE AND UTILIZE STRATEGIC PARTNERSHIPS AND ALLIANCES

Why this Objective?

To support our constituent associations by:

- Providing them relevant and timely information on various issues including international standards and mobility frameworks.
- Increasing the participation of women and Indigenous people in engineering programs and the profession itself.
- Providing both them and their members with valued services and products, including group insurance plans and financial services.

Objective's Goals:

- Maintain close working relationships and create strategic alliances with other national and international organizations (engineering-related or other professional regulatory-related agencies.)
- Facilitate communication and exchange of information among the constituent associations with respect to diversity and equity concerns, issues and initiatives.
- Enhance the professional, social, and economic welfare of professional engineers by delivering member services programs at the request of our constituent associations.

Some of the Ways Strategic Objective #4 is Reached:

INTERNATIONAL COMMITTEE

www.engineerscanada.ca/e/en_boards_int_memb.cfm

THE INTERNATIONAL COMMITTEE ENABLES ENGINEERS CANADA TO BE MORE GLOBALLY ACTIVE. IT KEEPS THE ORGANIZATION'S BOARD ABREAST OF OPPORTUNITIES RELATING TO THE MOBILITY OF CANADIAN ENGINEERS; MONITORS AND COORDINATES THE DEVELOPMENT OF MUTUAL RECOGNITION AGREEMENTS WITH OTHER COUNTRIES; MONITORS THE APEC ENGINEER AND ENGINEERS MOBILITY FORUM REGISTERS; COORDINATES RESEARCH ON THE REGISTRATION AND LICENSURE SYSTEMS USED IN OTHER COUNTRIES; AND MONITORS INTERNATIONAL TRADE ACTIVITIES TO ASSESS THEIR IMPACT ON PUBLIC SAFETY AND THE CANADIAN ENGINEERING PROFESSION.

International Committee 2010 highlights:

- Engineers Canada and the Canadian Council of Technicians and Technologists hosted the International Engineering Alliance Workshop in Ottawa from June 21 to 25, 2010. The first two days involved discussions on policies and procedures relevant to all six international agreements. The remaining days were occupied by the individual meetings of the six international agreements. The agreements are:
 - The Washington Accord
 - The Sydney Accord

- The Dublin Accord
- APEC Engineer
- Engineers Mobility Forum
- The Engineering Technologist Mobility Forum.

*Note - Engineers Canada is a signatory of the Washington Accord, APEC Engineer and the Engineers Mobility Forum.

- Attended the annual meeting of the National Council of Examiners for Engineering and Surveying in August 2010. Engineers Canada will continue to support our constituent associations' activities with regard to the potential for bilateral agreements with their adjoining American states.
- Began discussions concerning reviewing international trends on mobility and their potential consequences on licensure. There is evidence that the education and registration requirements for international mobility are changing rapidly. The Committee intends to analyze this information, identify gaps and current trends, as well as the potential impacts on licensure.
- Signed a reciprocity agreement with the Texas Board of Professional Engineers on October 5, 2010, with terms that improve on the NAFTA document that is currently in place.
- Attended, and provided panel speakers for, the interim meeting of the Pan-American Federation of Engineering Organizations held October 17 to 22, 2010, in Argentina.
- Attended the World Federation of Engineering Organizations' interim meeting, held October 14 to 16 in Argentina, representing both the Organizations' Committee on Engineering and the Environment and its Committee on Women in Engineering. Engineers Canada also provided panel speakers for the meeting.

- As chair of the World Federation of Engineering Organizations' Committee on Engineering and the Environment (http://www.wfeo.net/au_committees.aspx), sponsored by TD Insurance Meloche Monnex and supported by APEGGA:
 - Attended, and presented at, the United Nations Framework Convention on Climate Change from May 31 to June 11 in Bonn, Germany, as well as the United Nations Framework Convention on Climate Change Conference of the Parties held November 30 to December 12 in Cancun, Mexico.



Many thanks to the 2010-2011 International Committee volunteers:

FROM TOP, LEFT TO RIGHT:

Gordon Griffith, ing., P.Eng., *Engineers Canada*
David W. Euler, FEC, P.Eng.
Paul Amyotte, FEC, P.Eng.
Ken McMartin, FEC, P.Eng., *Secretary, Engineers Canada*

Richard A. Fletcher, FEC, P.Eng., *Chair*
Digvir S. Jayas, FEC, P.Eng.
Chantal Guay, ing., P.Eng., M.Env., *Chief Executive Officer*
Lynn Tremblay, *Secretariat, Engineers Canada*

- Organized and delivered a workshop entitled *Agricultural Transport Efficiency and Waste Avoidance – What Policymakers Need to Know* as part of the United Nations Commission on Sustainable Development – Meeting No 17, May 4, 2010.
- Approved an updated strategic plan that includes a new theme on engineering and agriculture led by Argentina. This theme replaces the one on disaster risk management.
- Submitted a successful proposal in partnership with Costa Rica's Colegio Federado de Ingenieros y de Arquitectos de Costa Rica to the Department of Foreign Affairs and International Trade for funding to carry out a knowledge development and capacity-building case study of climate risks to a sewage treatment infrastructure in Costa Rica using the Public Infrastructure Engineering Vulnerability Committee's Infrastructure Climate Risk Protocol which will be completed by March 31, 2011.
- Organizing an international session on climate change impacts and adaptation as part of the World Engineering Convention 2011 in Geneva, Switzerland.
- Completed the development of a review draft of an international guideline on environmental stewardship and sustainable development for engineers that will focus on professional and ethical principles and not technical details. This draft will be tabled at the World Federation of Engineering Organizations' General Assembly in September 2011. Maintained a relationship with the staff at the federal Department of Foreign Affairs and International Trade in order to provide advice on the development of trade agreements and to understand the current international relationships.
- Asked to provide input regarding the regulation of engineering for the discussions with the European Union, as well as providing general information as a result of questions from other trade initiatives.
- Asked by the Services Trade Policy Division to review a mutual recognition agreement proposal towards a comprehensive economic trade agreement with the European Union.
- Asked to provide comments and update information on Canada's World Trade Organization Trade Policy Review document.

PUBLIC INFRASTRUCTURE ENGINEERING VULNERABILITY COMMITTEE

www.pievc.ca

CO-FUNDED BY NATURAL RESOURCES CANADA AND ENGINEERS CANADA, THE PUBLIC INFRASTRUCTURE ENGINEERING VULNERABILITY COMMITTEE IS A MAJOR CANADIAN INITIATIVE INVOLVING ALL THREE LEVELS OF GOVERNMENT AND NON-GOVERNMENTAL ORGANIZATIONS. THE VULNERABILITY COMMITTEE WAS ESTABLISHED IN AUGUST 2005 TO CONDUCT ENGINEERING ASSESSMENTS OF THE VULNERABILITY OF CANADA'S PUBLIC INFRASTRUCTURE TO THE IMPACTS OF CLIMATE CHANGE, WITH THE GOAL OF CONTRIBUTING TO A REVIEW OF AMENDMENTS TO DESIGN, OPERATION AND MAINTENANCE CODES, STANDARDS AND PRACTICES.

Public Infrastructure Engineering Vulnerability Committee 2010 highlights:

- Developed the Infrastructure Climate Risk Protocol, which has now been successfully applied in eleven case studies in four infrastructure categories: buildings, storm water/wastewater systems, roads and associated structures and water resources (treatment and flood control systems).

- Delivered nine workshops on the principles and application of the protocol were delivered and arranged in partnership with Engineers Nova Scotia, Engineers and Geoscientists New Brunswick, Engineers PEI, PEGNL, APEGS, APEGGA, NAPEG, and APEY.
- Version 9 of the Infrastructure Climate Risk Protocol is being used in Phase III case studies. As each case study is completed, comments on ways to improve and clarify the protocol are recorded to enable the protocol to be revised and updated by the end of Phase III.
- Work will continue on further upgrades to the Infrastructure Climate Risk Protocol; on additional case studies in all provinces and territories in the four infrastructure categories; on the execution of a communications plan; and on the delivery of workshops to engineers and geoscientists arranged in partnership with the constituent associations.

INDIGENOUS PEOPLE OUTREACH TASK FORCE

THE INDIGENOUS PEOPLE OUTREACH TASK FORCE WORKS TO DETERMINE WHAT BENEFICIAL ROLE, INCLUDING NETWORKING, SPONSORSHIP AND RESEARCH, ENGINEERS CANADA CAN TAKE IN THE AREA OF INDIGENOUS PEOPLE OUTREACH TO ENCOURAGE FURTHER DIVERSITY WITHIN THE PROFESSION.

Indigenous People Outreach Task Force 2010 highlights:

- The Engineers Canada president and a Task Force member attended a function on March 30, 2010, where Merv Dewasha, P.Eng., was nominated by Engineers Canada and inducted into the Canadian Aboriginal Business Hall of Fame.
- Sponsored summer camp sessions for Aboriginal school students organized by the Electricity Sector Council to be held in British Columbia, Ontario, Quebec and Manitoba, and organized by WISE/ENGAP.

- Signed a partnership agreement with the Assembly of First Nations on July 22, 2010, with the goal to increase awareness of, and access to, careers in engineering for First Nations youth.



Many thanks to the 2010-2011 Indigenous People Outreach Task Force volunteers:

FROM TOP, LEFT TO RIGHT:

Richard A. Fletcher, FEC, P.Eng.
Derek Doyle, P.Eng.
Ken McMartin, FEC, P.Eng., *Engineers Canada*
Cord Hamilton, P.Eng.
Dawn Lilly, *Engineers Canada*
Dan Motyka, FEC, P.Eng., *Chair*
Digvir S. Jayas, FEC, P.Eng.
Samantha Colasante, *Engineers Canada*

ABSENT:

Dave Ennis, FEC, P.Eng.
Irving Leblanc, P.Eng.
Jason McCullogh, P.Eng.
Len Shrimpton, FEC, P.Eng.

- Held a facilitated workshop on May 6, 2010, with constituent association representatives to establish the extent to which each association is willing to participate in the strategy. There is general support from the constituent associations' representatives for an integrated strategy, as well for the basic principle of developing tools and resources at the national level for delivery at the association level.
- The Task Force held a conference call on May 18, 2010, where it was suggested that its mandate be renewed for another year (2011) and that it will consider moving towards a different form in the future for the implementation of the strategy. The Board accepted the report of the Task Force, extending its mandate until May 2011.

WOMEN IN ENGINEERING TASK FORCE

www.engineerscanada.ca/e/pr_women.cfm

THE ENGINEERING PROFESSION IS NOT REPRESENTATIVE OF THE MAKE-UP OF SOCIETY, IN PARTICULAR THE PROPORTION OF WOMEN IN THE PROFESSION. IN RESPONSE, THE WOMEN IN ENGINEERING TASK FORCE IS ADDRESSING BARRIERS AND IMPEDIMENTS TO THE FULL PARTICIPATION OF WOMEN IN THE PROFESSION.

Women in Engineering Task Force 2010 highlights:

- Enhanced the membership of the Task Force to include Andrew Hrymak, P.Eng. (University of Western Ontario); Cristina Amon, P.Eng. (National Council of Deans of Engineering and Applied Science); Zac Trolley (Canadian Federation of Engineering Students); and Catherine Karakatsanis, FEC, P.Eng. (Engineers Canada and PEO).
- A sticker campaign initiated by a member of Engineers Without Borders was supported and was carried through to National Engineering Month and orientation week in 2010 with the help of the Deans. The stickers read ESTW (Engineers Serve the World) and are intended to replace the slogan ERTW (Engineers Rule the World).
- The Women in Engineering Advisory Group held its annual face-to-face meeting on May 16, 2010, in Winnipeg, Manitoba, immediately following the national conference of the Canadian Coalition of Women in Engineering, Science, Trades and Technology (CCWESTT). The Advisory Group agreed that a heightened investment in the image of the profession should continue to be a priority in the efforts to promote engineering as a rewarding career for women.
- Proposed that an award be created to recognize corporations or organizations for significant support to women in the engineering profession.
- Held a face-to-face meeting on September 23, 2010, in Toronto to discuss important issues surrounding women engineers in Canada, including strategies on how to attract women to, and retain them in, the profession.
- Partnered with the Ontario Society of Professional Engineers (OSPE) and the Women in Engineering Advisory Committee (WEAC) to administer a survey of working conditions for professional engineers. Among the topics covered in the survey are: starting an engineering career; the role of professional mentors; factors affecting career satisfaction; equity and fairness; and the importance of different types of leave. Engineers Canada will use the survey results to increase the profession's understanding of, and response to, issues related to women in engineering.

- The Engineers Canada Board approved an extension of the Task Force's mandate to May 2011, to allow for sufficient time to evaluate the initiatives that are currently being pursued before deciding on next steps.
- Sponsored a report, *Canaries in the Coal Mine*, which describes the issues related to attraction and retention of women in engineering.



Many thanks to the 2010-2011 Women in Engineering Task Force volunteers:

FROM TOP, LEFT TO RIGHT:

Catherine Karakatsanis, FEC, P.Eng.
Dan Motyka, FEC, P.Eng.
Ken McMartin, FEC, P.Eng., *Engineers Canada*
Dawn Lilly, *Engineers Canada*
Samantha Colasante, MBA, *Engineers Canada*
Cord Hamilton, P.Eng., *Chair*
Chantal Guay, ing., P.Eng., M.Env.,
Chief Executive Officer

ABSENT:

Cristina Amon, P.Eng.
Lisa Anderson, P.Eng.
Suzelle Barrington, ing.
Ron Britton, P.Eng.
Dr. Andres Hrymak
Lorraine Marsolais, ing.
Natalie Plato, P.Eng.
Christine Plourde, P.Eng.
Louise Quesnel, FIC, ing.
Zac Trolley
Deborah Wolfe, FEC, P.Eng.

AFFINITY PROGRAMS

www.engineerscanada.ca/e/pr_member.cfm

ENGINEERS CANADA SPONSORS A RANGE OF GROUP INSURANCE PLANS AND FINANCIAL SERVICES THAT 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 provincial or territorial 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 (*formerly known as Registered Retirement Savings Plan Program*)
- Flexible Mortgage Account

Other

- Car Rental

ENGINEERS CANADA STAFF:

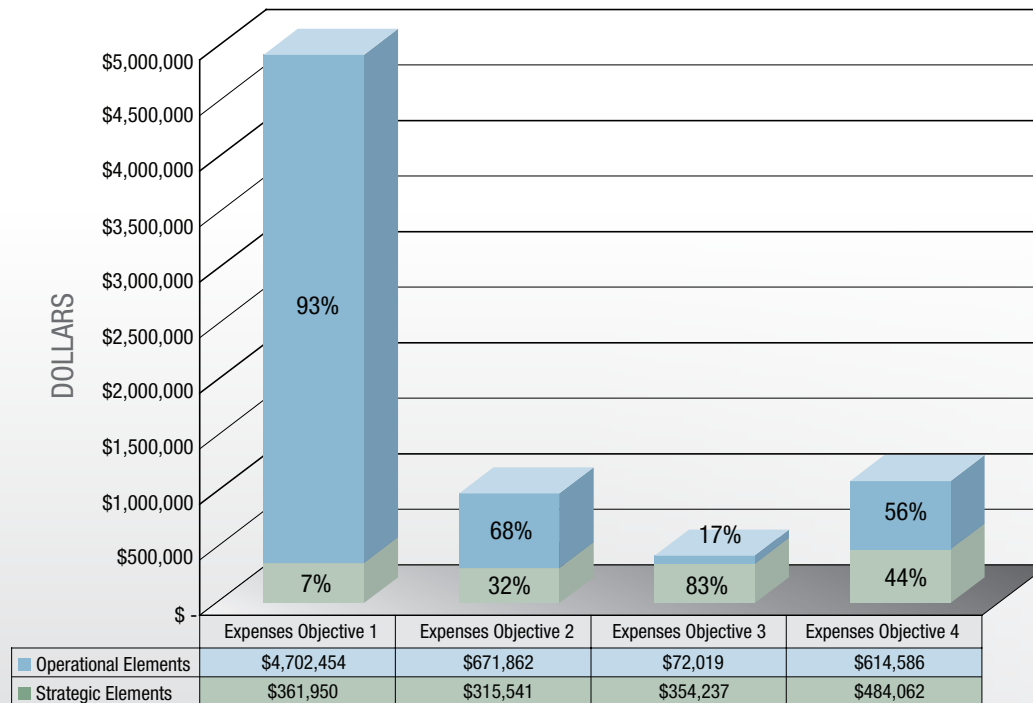
Lorelei Scott
Marie-Lynne Grandbois

ENGINEERS CANADA BY THE NUMBERS

18	Members of the Engineers Canada Board	\$58,000	Given in financial support to the Canadian Federation of Engineering Students
20	Engineers Canada committees and task forces	12	Accreditation visits to postsecondary institutions
138	Bridging Government and Engineers volunteers	81	Accreditation decisions made on Canadian programs
351	Total number of volunteers	9	Affinity programs offered to engineers and their families
33	Staff members	6	Insurance or benefit programs offered to the constituent associations
10	Number of volunteers supported by every one staff member	271,937	Total unique website hits of www.engineerscanada.ca
47	Total face-to-face committee/task force/Board meetings held in 2010	506	Members accessed the Engineers Canada members' only website
93	Attendees at the Engineers Canada Annual General Board meeting	9	Newsletters published
328	Attendees of the picnic on Parliament Hill	10	Guidelines issued
650	Participants at a total of 17 Public Infrastructure Engineering Vulnerability Committee Protocol training workshops	9	News releases issued
2,053	Total attendees at all Engineers Canada meetings and events	10	Memberships in international agreements
\$80,000	Awarded in scholarships to outstanding engineers, provided by affinity program partners	\$25,000	Given in financial support to the Canada-Wide Science Fair
9	Awards given to recognize exceptional engineers, teams of engineers, students or engineering projects		
7	Scholarships awarded to Canadian professional engineers returning to school for advanced studies and research, provided by affinity program partners		
182	Attendees at the Engineers Canada Awards' Gala		

SUMMARY FINANCIAL STATEMENTS

ENGINEERS CANADA STRATEGIC AND OPERATIONAL ELEMENTS 2010 ACTUAL EXPENSES (UNAUDITED)



- Objective 1** Support constituent associations' regulatory activities
- Objective 2** Augment constituent associations' efforts to ensure those practising engineering are licensed
- Objective 3** Influence federal government public policy and decision-making
- Objective 4** Create and utilize strategic partnerships and alliances



Special thanks to the 2010-2011 Finance Committee volunteers:

FROM LEFT:

- Sid Zerbo**, ing.
- Brent Smith**, FEC, P.Eng.
- Marie Carter**, P.Eng., *Chief Operating Officer*
- Marlene McCourt**, *Engineers Canada*
- Michael Smyth**, FEC, P.Eng.
- Paul Amyotte**, FEC, P.Eng., *Chair*
- Carol-Anne Tyndall**, *Engineers Canada*
- Chantal Guay**, P.Eng., ing., M.Env.,
Chief Executive Officer
- Walter K. Bilanski**, FEC, P.Eng.



Special thanks to the 2010-2011 Audit Committee volunteers:

FROM LEFT:

- Ken From**, FEC, P.Eng., *Chair*
- Kevin Hodgins**, FEC, P.Eng.
- Marie Carter**, P.Eng., *Chief Operating Officer*
- Dick Myers**, FEC, P.Eng.
- Carol-Anne Tyndall**, *Engineers Canada*
- Chantal Guay**, P.Eng., ing., M.Env.,
Chief Executive Officer
- Marlene McCourt**, *Engineers Canada*

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 statement of financial position as at December 31, 2010, the summary statement of operations and changes in net assets and summary statement of cash flows for the year then ended, are derived from the audited financial statements of The Canadian Council of Professional Engineers (the Council) for the year ended December 31, 2010. We expressed an unmodified audit opinion on those financial statements in our report dated April 19, 2011.

The summary financial statements do not contain all the disclosures required by Canadian generally accepted accounting principles. 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 year ended December 31, 2010 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 19, 2011
Ottawa, Ontario

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 an independent member of
BAKER TILLY
INTERNATIONAL

SUMMARY STATEMENT OF FINANCIAL POSITION

December 31	2010	2009
Assets		
Current		
Cash	\$ 823,031	\$ 280,899
Accounts receivable and accrued revenue	1,476,959	1,640,543
Prepaid expenses	<u>231,807</u>	<u>210,254</u>
	2,531,797	2,131,696
Investments	5,190,305	5,048,563
Capital assets	<u>292,535</u>	<u>135,721</u>
	\$ 8,014,637	\$ 7,315,980
Liabilities		
Current		
Accounts payable and accrued liabilities	\$ 603,569	\$ 799,952
Annual leave payable	<u>9,716</u>	<u>39,518</u>
	613,285	839,470
Net Assets		
Internally restricted		
Four Year Rolling Operational Reserve	4,000,000	4,000,000
General Contingency Reserve	1,325,000	1,575,000
Capital Reserve for the Purchase of Assets	250,000	87,794
Invested in Capital Assets	<u>292,535</u>	<u>135,721</u>
	5,867,535	5,798,515
Net unrealized gain (loss) on available-for-sale investments	328,803	192,355
Unrestricted	<u>1,205,014</u>	<u>485,640</u>
	7,401,352	6,476,510
	\$ 8,014,637	\$ 7,315,980

Approved on behalf of the Council



Ken From, P. Eng.
Director



Z. Ghavitian, FIC, ing.,
Director

These summary financial statements are prepared from the audited financial statements for the year ended December 31, 2010. 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 STATEMENT OF OPERATIONS AND CHANGES IN NET ASSETS

For the year ended December 31	2010	2010	2009
	Budget (Unaudited)	Actual	Actual
Revenues			
Provincial Assessments	\$ 2,374,152	\$ 2,391,376	\$ 2,283,405
Campaign Assessments	-	161,346	379,726
Foreign Credential Recognition	40,000	30,615	45,911
Affinity Programs	3,704,399	3,981,059	3,575,063
Investment Income	220,000	284,190	85,252
Summit	-	-	512,458
Other	262,100	226,381	123,498
Externally Funded Projects	979,000	1,290,138	661,239
	<u>7,579,651</u>	<u>8,365,105</u>	<u>7,666,552</u>
Expenses			
Canadian Engineering Accreditation Board	540,500	279,093	397,620
Canadian Engineering Qualifications Board	326,100	276,822	232,767
Research Program	299,600	254,346	283,913
International Program	84,550	90,222	98,121
Foreign Credential Recognition	121,900	80,878	81,996
Governance	706,108	533,371	473,949
Affinity Programs	61,500	138,853	37,401
Communications	504,390	417,932	461,171
Government Relations	159,550	69,999	84,686
Corporate Services	4,197,675	4,036,585	3,815,164
Committees and Special Projects	100,500	96,743	227,529
Summit	-	-	543,376
Campaign Expenses	-	24,044	1,082,144
Reserve Fund Special Projects	-	60,812	79,566
Externally Funded Projects	914,000	1,217,011	565,266
	<u>8,016,373</u>	<u>7,576,711</u>	<u>8,464,669</u>
Excess (deficiency) of revenues over expenses	\$ (436,722)	\$ 788,394	\$ (798,117)
Net assets, beginning of year		\$ 6,476,510	\$ 6,600,953
Excess (deficiency) of revenues over expenses		788,394	(798,177)
Net change in net unrealized gain (loss) on available-for-sale investments		<u>136,448</u>	<u>673,674</u>
Net assets, end of year		<u>\$ 7,401,352</u>	<u>\$ 6,476,510</u>

These summary financial statements are prepared from the audited financial statements for the year ended December 31, 2010. 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 STATEMENT OF CASH FLOWS

For the year ended December 31	2010	2009
Operating activities		
Excess (deficiency) of revenues over expenses	\$ 788,394	\$ (798,117)
Non-cash items:		
Net realized (gain) loss on disposal of investments	(82,117)	111,084
Amortization of capital assets	93,593	96,922
Changes in non-cash working capital items:		
Accounts receivable and accrued revenue	163,584	(56,752)
Prepaid expenses	(21,553)	281,490
Accounts payable and accrued liabilities	(196,383)	(121,692)
Annual leave payable	(29,802)	(17,552)
Cash flows from operating activities	715,716	(504,617)
Investing activities		
Purchase of investments	(793,177)	(1,364,499)
Proceeds from disposal of investments	870,000	2,092,778
Acquisition of capital assets	(250,407)	(49,810)
Cash flows from investing activities	(173,584)	678,469
Net increase in cash	542,132	173,852
Cash, beginning of year	280,899	107,047
Cash, end of year	\$ 823,031	\$ 280,899

Basis of Presentation

December 31, 2010

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 year ended December 31, 2010 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 generally accepted accounting principles. Consistent with the audited financial statements these summary financial statements do not reflect the substantial value of services contributed by volunteers.

The 2009 figures included for comparative purposes are presented on the same basis as the 2010 figures.

These summary financial statements are prepared from the audited financial statements for the year ended December 31, 2010. 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.

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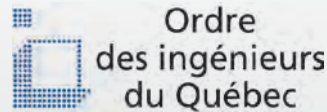
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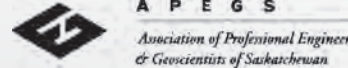
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