



# Minutes

## Consulting Engineer Designation Committee

Meeting: January 29, 2015, Thursday

Present: Doug Barker, P.Eng.  
Denis Dixon, P.Eng.  
Roy Fletcher, P.Eng.  
Rob Kivi, P.Eng.  
Eric Nejat, P.Eng. – Chair  
Rick Patterson, P.Eng.  
Larry Pond, P.Eng.  
Chris Redmond, P.Eng. (via Teleconference)  
Chris Roney, P.Eng.  
Gerry Webb, P.Eng. (via Teleconference)

Regrets: Shawn Gibbons, P.Eng.

Staff: Michael Price, P.Eng., Deputy Registrar, Licensing & Registration  
Lawrence Fogwill, P.Eng., Manager, Registration  
Imelda Suarez

### Call to Order

The meeting was called to order by the Chair at 10:08 a.m.

### 1. Agenda

Rick Patterson moved to adopt the agenda as modified; seconded by Denis Dixon.

CARRIED

2. Minutes of Previous Meeting

Doug Barker moved to adopt the minutes of the October 23, 2014 meeting; seconded by Rick Patterson. CARRIED

3. Regional Sub-Committee Reports – Designation/Redesignation

3.1 Western Region

There are no applicants for designation.

Rick Patterson moved that applicants 2.1 to 2.9 from the Western Subcommittee report be recommended for **redesignation**; seconded by Larry Pond.

CARRIED

3.2 Eastern Region

There are no applicants for designation.

Denis Dixon moved that applicants 2.1 to 2.4 from the Eastern Subcommittee report be recommended for **redesignation**; seconded by Larry Pond.

CARRIED

Gerry Webb abstained.

3.3 Toronto

Doug Barker moved that applicants 1.1 to 1.6 from the Toronto Subcommittee report be recommended for **designation**; seconded by Gerry Webb. CARRIED

Roy Fletcher moved that applicants 2.1 to 2.29 from the Toronto Subcommittee report be recommended for **redesignation**; seconded by Rick Patterson.

CARRIED

Doug Barker abstained.

3.4 Southern Region

Doug Barker moved that applicant 1.1 from the Southern Subcommittee report be recommended for **designation**; seconded by Gerry Webb.

CARRIED

Doug Barker moved that applicants 2.1 to 2.8 from the Southern Subcommittee report be recommended for **redesignation**; seconded by Rick Patterson.

CARRIED

Doug Barker moved that the application for **designation** of applicant 3.1, Currie Gardner, be **denied** as he has not been in independent practice for at least 2 years. Mr. Gardner is invited to re-apply once he gains the required experience. Seconded by Gerry Webb.

CARRIED

3.5 Northern Region

There are no applicants for designation.

Larry Pond moved that applicant 2.1 from the Northern Subcommittee report be recommended for **redesignation**; seconded Gerry Webb.

CARRIED

4. Permission to Use the Title "Consulting Engineers"

It was recommended that applicants 1.1 to 1.3 be **approved** for the Permission to Use the Title "Consulting Engineers".

CARRIED

5. Activity Reports

5.1 Chris Roney provided an update on Council activities. The Council, on its February 5-6 meeting, will be considering some legislative changes for Limited Licences, Certificates of Authorization, and the ability of the president to run for a second term will be considered. The implementation plan for the recommendations that came out of the

Elliot Lake inquiry will be discussed. Also, there is a motion that the Education Committee would be working with OSPE on a joint-paper regarding the importance of the math curriculum, and this will be presented to the Ministry of Education.

- 5.2 Rob Kivi provided an update on CEO activities. The CEO has been discussing Alternative Financing & Procurement (AFP). The CEO has publicly declared that there is a role for AFPs in the delivery of infrastructure in the province, and it is a means to deliver more infrastructure than the government could under an entirely public financing model.
- 5.3 Chris Roney provided an update on Engineers Canada activities. Documentation on items discussed is attached as Appendix A (9 pages).

## 6. New Business

### 6.1 2015 Election of Chair and Vice-Chair

Doug Barker nominated Eric Nejat as Chair of the committee; seconded by Gerry Webb. CARRIED

Eric Nejat nominated Doug Barker as Vice-Chair of the committee; seconded by Gerry Webb. CARRIED

### 6.2 Volunteer Recognition

Denis Dixon congratulated Rick Patterson who was presented with his 20-year Volunteer Service pin from PEO, and thanked him for his significant contribution to the activities of the organization.

### 6.3 Specialist Designation

Denis Dixon discussed the possibility of using the Consulting Engineer Designation & Redesignation application process to assess Professional Engineers for the Specialist Designation.

6.4 Engineers in the Labor Market

Eric Nejat shared reports from OSPE and Engineers Canada, discussing the engineering labor market. The reports are available in the links provided below.

OSPE - 2015 Underemployment Among Ontario's Engineering Degree Holders

[http://c.ymcdn.com/sites/www.ospe.on.ca/resource/resmgr/DOC\\_advocacy/2015\\_REPORT\\_Underemployment\\_.pdf](http://c.ymcdn.com/sites/www.ospe.on.ca/resource/resmgr/DOC_advocacy/2015_REPORT_Underemployment_.pdf)

EC - Engineers for Tomorrow

[http://www.engineerscanada.ca/sites/default/files/w\\_report\\_enrolment\\_eng.pdf](http://www.engineerscanada.ca/sites/default/files/w_report_enrolment_eng.pdf)

7. Adjournment

The meeting adjourned at 11:40 am.

8. Tentative Date of Next Meeting: May 21, 2015

MEETING OF THE BOARD  
FEBRUARY 23-24, 2015  
CHÂTEAU LAURIER  
OTTAWA, ONTARIO

DRAFT AGENDA

Please download the *Policy Governance* manual for your reference at the Board meeting.

AGENDA ITEMS ARE LINKED

1. OPENING (13:00-13:15)

1.1 CALL TO ORDER

1.2 APPROVAL OF AGENDA

**RESOLVED THAT the agenda be approved and the President be authorized to modify the order of discussion.**

1.3 DECLARATION OF CONFLICT OF INTEREST

1.4 APPROVAL OF MINUTES

**RESOLVED THAT the minutes of the September 29-30, 2014, Board meeting be approved.**

1.5 CONSENT AGENDA

*Items may be removed from the consent agenda by a request to the President any time prior to, or at, the meeting. Items are approved with one motion and no discussion.*

**RESOLVED THAT the items on the consent agenda be approved.**

1.5.1 Minor Policy Modifications

**RESOLVED THAT the the following policy changes be approved:  
[list as a, b,c ...]**

1.5.2 Operational Decisions Requiring Board Approval

**RESOLVED THAT the the following items changes be approved:  
[list as a, b,c ...]**

2. NATIONAL BUSINESS (13:15-17:00)

2.1 BOARD UPDATE

- 2.1.1 President's Update
- 2.1.2 Chief Executive Officer's Update
  - a) Framework for Regulation
  - b) Education Credential Assessment Project
  - c) Online Competency Assessment Program

**2.2 BIG PICTURE THINKING – “Canadian Experience Requirement”**

**2.3 OWNERSHIP LINKAGE**

- 2.3.1 Linkages Task Force Update
- 2.3.2 Presidents Group Update
- 2.3.3 Chief Executive Officers Group Update
- 2.3.4 Owners' Items
  - a) Feedback from APEGBC Council's Concerns

**2.4 MATTERS IMPACTING THE ENGINEERING PROFESSION**

- 2.4.1 Stakeholder Updates
  - a) National Council of Deans of Engineering and Applied Science Update
  - b) Canadian Federation of Engineering Students Update
- 2.4.2 Major Events
  - a) Elliot Lake Inquiry and PEO's Response (C. Roney)
  - b) Charbonneau Commission and OIQ's response (S. Bilodeau)
  - c) Mount Polley and APEGBC's response (A. English)
- 2.4.3 Lessons Learned Task Force

***RESOLVED THAT the Terms of Reference for the Task Force be approved.***

**3. BOARD BUSINESS (8:30-11:45)**

**3.1 DIRECTION TO BOARD COMMITTEES, PROGRESS ON WORK PLANS AND APPROVALS**

3.1.1 Audit Committee

- a) 2014 Audit Plan

3.1.2 Accreditation Board

- a) Progress Report
- b) Transition to Outcomes Based Accreditation – Direction to Implement a Hybrid Inputs and Outcomes Accreditation System
- c) Accreditation Board Nominations

***RESOLVED THAT the Accreditation Board nominations be approved.***

3.1.3 Qualifications Board

- a) Progress Report
  - Joint Board and Qualifications Board Team Report
- b) Qualifications Board Nominations

***RESOLVED THAT the Qualifications Board nominations be approved.***

**3.2 POLICY DEVELOPMENT AND ENHANCEMENT**

*Discussion and approval of proposed amendments.*

3.2.1 Policy Amendments - Ends

***RESOLVED THAT the following amendments be approved:  
[list here as a, b, c...]***

3.2.2 Policy Amendments - Governance Process (GP)

***RESOLVED THAT the following amendments be approved:  
[list here as a, b, c...]***

3.2.3 Policy Amendments - Board-Management Delegation (BMD)

***RESOLVED THAT the following amendments be approved:  
[list here as a, b, c...]***

3.2.4 Policy Amendments - Executive Limitations (EL)

***RESOLVED THAT the following amendments be approved:  
[list here as a, b, c...]***

**3.3 POLICY MONITORING**

3.3.1 Board Monitoring – Governance Process (GP)

***RESOLVED THAT the following policy reviews be approved:***

- a) *GP-8 Board Committee and Task Force Principles (T. Brookes)*
- b) *GP-9 Board Committee and Task Force Structure (G. Comrie)*
- c) *GP-9.5 Accreditation Board Terms of Reference (N. Lawen)*
- d) *GP-13 Governance Succession Planning (É. Potvin)*



3.3.2 Board Monitoring – Board-Management Delegation (BMD)

**RESOLVED THAT the following policy reviews be approved:**

- a) **BMD Global Management Board Delegation (J. Beckett)**
- b) **BMD-4 Monitoring Chief Executive Officer Performance (D. Benson)**

3.3.3 Chief Executive Officer Monitoring – Ends (E)

- a) E-2 Public Confidence in the Profession (lead reviewer \_\_\_\_)

**RESOLVED THAT the monitoring report confirms compliance with policy E-2 during the reporting period.**

**or**

**RESOLVED THAT the monitoring report partially confirms compliance with policy E-2 during the reporting period. Future reports could be enhanced by...**

- c) E-3 Sustainability of the Profession (lead reviewer \_\_\_\_)

**RESOLVED THAT the monitoring report confirms compliance with policy E-3 during the reporting period.**

**or**

**RESOLVED THAT the monitoring report partially confirms compliance with policy E-3 during the reporting period. Future reports could be enhanced by...**

3.3.4 Chief Executive Officer Monitoring – Executive Limitations (EL)

- a) EL-3 Financial Condition (lead reviewer \_\_\_\_)

**RESOLVED THAT the monitoring report confirms compliance with policy EL-3 during the reporting period.**

**or**

**RESOLVED THAT the monitoring report partially confirms compliance with policy EL-3 during the reporting period. Future reports could be enhanced by...**

- a) EL-5 Planning (lead reviewer \_\_\_\_)

**RESOLVED THAT the monitoring report confirms compliance with policy EL-5 during the reporting period.**

**or**

**RESOLVED THAT the monitoring report partially confirms compliance with policy EL-5 during the reporting period. Future reports could be enhanced by...**

- b) EL-7 Communication and Support to the Board (lead reviewer \_\_\_\_)

**RESOLVED THAT the monitoring report confirms compliance with policy EL-7 during the reporting period.**

**or**

**RESOLVED THAT the monitoring report partially confirms compliance with policy EL-7 during the reporting period. Future reports could be enhanced by...**

c) EL-8 Position Statements (lead reviewer \_\_\_)

***RESOLVED THAT the monitoring report confirms compliance with policy EL-8 during the reporting period.***

***or***

***RESOLVED THAT the monitoring report partially confirms compliance with policy EL-8 during the reporting period. Future reports could be enhanced by...***

**4. CLOSING (11:45-12:00)**

**4.1 MEETING EVALUATION (template) (S. Bilodeau)**

**4.2 ADJOURNMENT (motion not required)**



#### Future Board and Annual Meetings of Members

February 22-25, 2015 – Ottawa, ON (Château Laurier)  
May 20-23, 2015 – Calgary, AB (Hotel Arts)  
September 27-30, 2015 – Ottawa, ON (TBD)  
May 24-29, 2016 - Charlottetown, PEI (Delta)  
May 23-28, 2017 - St. John's, NL (Delta)

#### Educational Credential Assessment Project

Engineers Canada is applying to be designated by Citizenship and Immigration Canada (CIC) to provide Educational Credential Assessments (ECAs) for internationally-educated engineering graduates (IEGs). ECAs are used by the federal government to award points for immigration. They are *not* academic assessments for licensure.

Engineers Canada's designation will put IEGs in direct contact with the engineering profession early in their immigration process. Information will be provided on working in engineering in Canada, the licensure process and the engineering regulators' authority. Candidates that wish to apply for licensure will be directed to the regulators for assessment.

#### World Federation of Engineering Organizations (WFEO)

WFEO held a series of meetings in Paris in December 2014. Kim Allen and Darrel Danyluk, WFEO Committee on Engineering and the Environment (WFEO-CEE) Chair and WFEO Vice-President, attended on behalf of Engineers Canada. David Lapp, Secretary of the WFEO-CEE, participated by teleconference from Ottawa. Engineers Canada participated in half-day meetings of the WFEO UN Relations Committee and the Standing Committee Chairs Committee. The focus of the UN Relations Committee meeting was to provide the engineering perspective on the UN Sustainable Development Goals.

#### Transport Canada Northern Airports Climate Risk Assessment Project

Engineers Canada is engaged with Transport Canada to support a climate risk assessment of three northern airports (Churchill, Inuvik and Cambridge Bay) using our PIEVC Engineering Protocol. David Lapp and Dr. Guy Felio will serve on the Project Advisory Committee as part of the contracted services to Transport Canada. The project is expected to begin in March 2015.

#### Framework for Regulation

The Framework Steering Committee met on November 6, 2014, to review and update the approach to the Framework. During this meeting a new vision for the Framework was adopted and a streamlined process for developing Framework elements was established.

##### *FRAMEWORK FOR REGULATION VISION*

*The Framework is a set of aspirational elements that form the baseline for engineering regulators.*

#### Visit by the Korean Professional Engineers Association

Following the recent signing of the Canada-Korea Free Trade Agreement, Engineers Canada hosted a delegation from the Korean Professional Engineers Association (KPEA) on December 3, 2014. In conjunction, the delegation visited PEO and APEGBC. Initial discussions focused on information sharing relating to the practice of engineering in both countries.

#### Engineers Ireland Agreement Update

Engineers Canada signed an MRA with Engineers Ireland in 2009. The agreement provides that it will be reviewed periodically and revised if appropriate. It is now time for a review and we have connected with Engineers Ireland to commence discussions.

#### Engineering Profession Change Lab Overview

To unlock the full potential of our profession, Engineers Canada and Engineers Without Borders launched an exciting new initiative in January 2015: the Engineering Change Lab. Change Labs are multi-stakeholder platforms created to address complex social challenges. The active participation of diverse stakeholders enables an experimental and systematic approach to designing solutions. The Lab brought together 40 leaders representing all parts of the engineering profession in Canada: regulators, universities, K-12 educators, associations, students, civil society groups and companies.

#### Canadian Engineering Accreditation Board

In December 2014, members of the Accreditation Board's policies and procedures committee met with the National Council of Deans of Engineering and Applied Science's (NCDEAS) Deans Liaison Committee to discuss opportunities to reduce the workload associated with accreditation visits without compromising due diligence.

On December 5, 2014, Gérard Lachiver, chair of the Accreditation Board, was the keynote speaker at the Graduate Attribute & Curriculum Improvement Process (GACIP) Summit in Toronto. Eleven Ontario Higher Education Institutions were represented, and the summit included a presentation by the Engineering Graduate Attribute Development (EGAD) Project. EGAD is a collaborative effort that is co-sponsored by NCDEAS and Engineers Canada.

#### New Engineers Canada Staff

Engineers Canada welcomed the following new staff member:

- Julia Semenchenko, MEBT, Practice Lead, Community Engagement. Julia joined Engineers Canada from the Certified General Accountants of Ontario / Chartered Professional Accountants of Ontario. She brings extensive experience in community engagement, business development, and volunteer management.

December 2014

## ■ Recognizing Structural Engineering as a primary discipline, separate from Civil Engineering

The PEGNL Board of Directors has approved in principle a policy change recognizing Structural Engineering as a primary discipline, separate from Civil Engineering, for purposes of issuing Permits to Practice.

In Canada, structural engineers typically receive their university undergraduate training in the field of civil engineering, typically taking structural courses within the civil program. Upon graduating, a person wishing to specialize in structural engineering acquires further experience by working under the direction of a practicing structural engineer. In some cases the engineer also acquires further formal education, and eventually becomes qualified as a structural engineer.

Arising from a discipline case a number of years ago, the report of the discipline hearing recommended that through PEGNL's registration process that special consideration be given to those firms requesting a permit to practice structural engineering within the civil discipline. Among other matters it advised that these requests be given a more intensive review, to determine whether the proposed member(s) in responsible charge has the appropriate academic and experience training in the area of structural engineering. Since that time all applications for permits to practice structural have been given this special review and a special designation has been noted on the Permit to Practice database which identifies the permit as civil-structural instead of just civil as was the case in the past. There remain on the PEGNL database those who had been previously approved for civil and practise structural.

Across Canada there is one other engineering regulatory body that recognizes that special consideration be given to structural engineering in the licensing process.

The Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) has a special designation (Struct. Eng.) granted to professional engineers who meet the requirements to create and manage the design of a building's primary structural system. The seal and signature of a Designated Structural Engineer is typically required on all plans and supporting documentation prepared by or under the direct supervision of that individual and submitted for a building permit application for a Part 3 Building as defined in the BC Building Code. Note that the word 'typically' is used in the document, and not all those who practice structural in BC have such a designation; although, some B.C. municipalities require it. APEGBC does not currently license firms, only individuals.

The recent report of the inquiry into the Elliott Lake Mall failure in Ontario made special note of structural engineering.

### **Link to Elliott Lake Inquiry Report**

Recommendation 1.5 of the inquiry recommends that "prescribed structural inspection should be conducted in accordance with the Performance Standard by a structural engineering specialist who has met the Professional Engineers of Ontario (PEO) qualifications and requirements to be so certified." This will require PEO to establish such a designation.

Based on the foregoing, but especially the PEGNL discipline case, the PEGNL Board decided at its December 2014 meeting to approve in principle the recognition of Structural Engineering as a primary engineering discipline, separate from Civil Engineering, for purposes of issuing Permits to Practice.

Subsequent to further comments and consideration the Board will approve the change at its February Board meeting. In such case Permits that have the "civil-structural" designation now will have their designations changed to "structural". Those who wish to have either or both civil and structural disciplines noted on their permit will need to designate a person in responsible charge for each discipline, if they have not already.

Further, for each permit the disciplines will be made available on the PEGNL website. Please see in the following article 'Providing Permit to Practice Information Online'. Those who currently have a Permit to Practice civil designation only, and who wish to be certified for structural should apply to have their permit changed.