

President's Report to September, 2017 Board Meeting

PEGNL

St. John's, NL

June 15 and 16, 2017

I attended PEGNL Board meeting and found there to be very professional, respectful, and honest discussions. The Board is 12 voting members of which 3 are public appointees plus 2 ex-officio members from Memorial University. They use the Carver model of policy governance. The Board focussed heavily on policy discussions, which included making significant changes to their Ends policies that hadn't been modified for several years. They are dealing with more investigation cases (10 this year) which is mandated by their Act to be done by PEGNL board members. They also examined the results of a public awareness survey. Commentary included consideration of how national awareness campaigns might help. They are considering how to deal with advocacy but haven't reached conclusions yet.

I also attended their annual Past Presidents' dinner, and provided remarks from Engineers Canada at their AGM.

Attending the Board meeting allowed for excellent interaction with the PEGNL council and staff that was infinitely more valuable than attending the AGM. The local Engineers Canada Directors (or a suitable other volunteer) should represent Engineers Canada at regulator AGMs rather than the Engineers Canada President and thus free the President to concentrate on attending Council/Board meetings instead.

International Engineering Alliance

Anchorage, AK

June 19-23, 2017

The International Engineering Alliance (IEA) is the umbrella organization for consistency and mutual recognition of engineering, technology, and technician academic credentials and overall competency.

The IEA certifies the consistency and standards of academic accreditation under:

- The Washington Accord for engineering education with 19 signatories
- The Dublin Accord for technology education



- The Sydney Accord for technician education

Under these Accords, accreditation systems of signatory organizations (which include Engineers Canada under the Washington Accord) are reviewed, much as universities are accredited. This maintains consistency of accreditation in signatory countries which enables the trust required for mutual recognition of academic credentials among signatories to the Accord.

The IEA also certifies the consistency of evaluation of professional competencies of individuals on the following Agreements which are deemed to facilitate mobility of those registered between countries:

- APEC Register for mobility between 14 countries (plus one provisional country) of the APEC
- International Professional Engineer Agreement (IPEA) for mobility between 15 countries (plus 4 provisional countries) around the world.

Engineers Canada hosts and administers these agreements. Shortcomings with Engineers Canada's implementation of the mobility registers were revealed in a 2015 review and need to be addressed soon. Issues include the low number of people on the register, and the low use of the register by the regulators.

Being part of the Washington Accord, APEC Register, and IPEA provides Engineers Canada with profile and connections internationally. We also need to consider the benefits based on how our Regulators use these facilities.

During this meeting we met with Michael Milligan of ABET and several people from Australia. Engineers Australia does all registration evaluation of academics, experience and ongoing CPD for Charter Engineers (same as P. Eng.). Much as we say that Australia is different from Canada, their State of Queensland has an **exclusive right of practice** for Charter Engineers, exactly as we have in Canada. Further, their State of Victoria is about to do the same and Tasmania is not far behind.

CEAB Accreditation Unit Task Group meeting

Toronto, ON

July 18, 2017

The Accreditation Unit Task Group meeting was chaired by Bob Dony with AB chair Wayne MacQuarrie, NCDEAS chair Ishwar Puri, APEGA Chief Regulatory Officer Matt Oliver, and Engineers Canada CEO Stephanie Price in attendance.

Great progress was made in agreeing to reassess AUs and potentially develop exemplars of the application of AUs to new methods of teaching (e.g. project-based learning, inverted classrooms) which will go a long way to demonstrating and standardizing how AUs will be applied and address many of the deans' concerns about innovation in engineering education.



National Society of Professional Engineers (NSPE) AGM

Atlanta, GA

July 19-22

NSPE membership is voluntary for Professional Engineers in the U.S.; they have roughly 30,000 members. The Industrial Exception across the U.S. severely restricts the need for individuals to become P.E.s but there is little chance of changing that legislation. Representatives from Hong Kong and Korea attended the meeting and the Korean delegate noted that they had talked to Engineers Canada about a mobility agreement.

Governance Committee meeting

Toronto, ON

August 20-21, 2017

Excellent progress was made, with the committee developing four recommendations for:

- Board size and structure
- Purpose of Engineers Canada
- Purpose of the Board
- Guiding principles for the governance of Engineers Canada

PEGNL Annual Board Retreat and Planning Session

August 24-26

Port Rexton, NL

A Board envisioning session was held to develop a basis to look at areas of high uncertainty and impact that could pose risks to PEGNL in the future. This will help inform changes to their Ends.

Neither PEGNL nor any other regulator bordering an ocean has any jurisdiction beyond the 12 mile limit from the shoreline. This means that a great area over which Canada claims jurisdiction is not subject to engineering regulation. Engineers Canada and Geoscientists Canada should consider advocating to the federal government on the regulation of engineering and geoscience with respect to the offshore along with jurisdiction in other federally regulated areas such as pipeline reviews.

Jeff O'Keefe, President, Geoscientists Canada, gave a presentation on the offshore petroleum resources. There is reason for optimism for ongoing oil production for at least 10 years. The Hibernia field marked 20 years of production and has now surpassed 1 billion barrels of crude oil.



One session was held to determine which stakeholders to engage with and how to do the engagement in order to inform the goals for PEGNL. They may consider offering a CPD hour for those who answer their Member survey.

One of PEGNL's staff sent a letter to a successful transgender applicant with the title of "Mx" instead of Mr. or Ms. The applicant then posted accolades to PEGNL on social media for using the correct title.

Online ethics training is being offered to members on a voluntary basis but will become mandatory. PEGNL may consider piggybacking on any online ethics program developed at Engineers Canada.

PEGNL structures its meeting agenda based on their Board Annual Agenda Planner.

PEGNL is seeking a new public appointee to their board with a focus on diversity.