

2015

Platforms and Histories and the
Professional Activities of the
Engineering Nominees for
Election to the Council

DANIEL BARCHYN, P.Eng.

EDUCATION	Masters of Natural Resources Mgmt., University of Manitoba, 1978 B. Sc. Geology, University of Manitoba, 1975
ASSOCIATION ACTIVITIES	Professional Engineer, APEGM, 1982 to present Member of APEM Committee established to engage the Geoscience community regarding the need for professional registration. This work paved the way for amendments of the Act to provide for registration of Geoscientists in the 1990s.
OTHER ENGINEERING ACTIVITIES	Member, Petroleum Working Committee, Manitoba Protected Areas Initiative. Board Member, Manitoba Recreational Trails Assoc., 2011 to 2013 Numerous technical presentations at forums such as the Williston Basin Petroleum Conference, Saskatchewan Geological Society, CIM, and Manitoba Mining and Petroleum Conference.
EMPLOYERS SINCE GRADUATION	Red Beds Resources Limited, 2010 to 2015, President Lodgepole Energy Management Corp., 2005 to 2008, President Tundra Oil and Gas Ltd., 1983 to 2003, Exploration Manager Manitoba Dept. of Energy and Mines, 1980 to 1983, Senior Petroleum Geologist National Energy Board, 1979 to 1980, Reserves Geologist Canadian Montana Gas Ltd., 1978 to 1979, Geologist
PLATFORM	In addition to the regular council business, I will focus on the following issues: <ul style="list-style-type: none">• The need for adequate opportunities for young professionals to enter the workforce and encouragement of strategic public investment in this regard.• The need to encourage governments at all levels to provide adequate resources to regulatory bodies to ensure thorough and transparent professional vetting of proposed developments.• The need to promote public awareness of the Association and the Code of Practice in order to maintain public confidence in our profession.• Provide representation on council for engineers and geoscientists in the oil and gas sector.
QUESTIONS FROM THE NOMINATING COMMITTEE	<p>1) In your view, what is the single most important issue facing the professions today, and why?</p> <p><i>Professionals and their associations are sometime viewed as self-serving and therefore not to be trusted in areas of social and environmental responsibility. In regards to public discussion of the many environmental challenges we now face, engineering and geoscience professionals have the unique knowledge to provide proper context for these discussions. The lack of such context tends to degrade and polarize debate. We, as a profession, have to be more pro-active in framing these discussions in an unbiased manner in order to maintain public trust.</i></p> <p>2) Why is self-regulation and the responsibility given to us by government and the public important?</p> <p><i>Self-regulation is important because only professionals have the knowledge required to ensure that professional practice conforms to the Act, Code, and By-laws. Diligent execution of this mandate is essential to ensure the continuing trust of governments and the public in allowing our profession to self-regulate.</i></p>

* The information, content and views expressed in these platforms are submitted by the candidates and are not necessarily those held by APEGM or the APEGM Council.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

The public's primary expectation is that professional practice conforms to the standards articulated in the Code of Ethics. This expectation requires that practicing professionals as well as their employers and clients are fully aware of these standards. The public also looks to our profession for solutions to the many environmental issues we face through innovation and the application of sound engineering and scientific principles.

JONATHAN EPP, P.Eng.

- EDUCATION B. Sc. Computer Engineering, University of Manitoba, 2004
- ASSOCIATION Professional Engineer, APEGM, 2008 to present
ACTIVITIES Member, APEGM Public Awareness Committee, 2006 to 2009
 Councillor, 2013 to 2015
- OTHER Received Association of Consulting Engineering Companies - Manitoba Rising Star
ENGINEERING Award, 2012
ACTIVITIES ACEC-MB Image Committee, 2008 to present
 *Past Chair, helped launch mentorship program, led initiatives that included complete
Manitoba chapter rebranding, and launch of annual publication and new website.*
 Various talks on engineering given to high school students, 2006 to present
 Representing APEGM (at IMAX), Engineering Innovation Challenge (at Rotary
Career Symposium), and Teshmont/ACEC-MB (at various high schools by request)
 IEEE Women in Engineering Executive Committee, 2005 to 2006
 Designed, launched and maintained local chapter website
 Engineers Without Borders, Student Chapter, 2004
- EMPLOYERS Teshmont Consultants, 2004 to present, current position Project Engineer
SINCE
GRADUATION
- PLATFORM Two years ago, I was elected as a first time Councillor. Looking back at my time on
Council, I'm proud of the progress we made, but it has also made me want to do
more. During my term, we discovered that formal monitoring of the key objectives of
our Association (the Ends) was not being carried out. In response, we created a
proper process for monitoring the Ends, which has resulted in better accountability. In
turn, this process is shining new light on old processes and issues and will itself
trigger further change. I feel there is much left that can be done, and I now have a
better understanding of how to get it done.
- QUESTIONS 1) **In your view, what is the single most important issue facing the professions
FROM THE today, and why?**
NOMINATING *I believe the most important (and potentially divisive) issue we face as a
COMMITTEE profession is continuing competency and the specifics of how we enforce it.
 Finding a solution that works across our broad range of practice is difficult, but
 essential. Thankfully, we are a profession known for finding working solutions to
 difficult problems.*
- 2) **Why is self-regulation and the responsibility given to us by government and
 the public important?**
 *Our responsibility is important because we are directly accountable for the
 public's safety. Self-regulation is important because we as engineers and
 geoscientists are best suited to understand and maintain the responsibility of our
 profession.*
- 3) **What do you think the public's expectation is from the practices of**

engineering and geosciences?

I think the public expects things to “just work” and spends very little time thinking about our profession unless problems arise. Understanding the expectation of the public is important, but we really have an equally important responsibility to shape that expectation. Recently, Council has taken important steps in this direction, and I hope to see it continue.

DAVID GRANT, P.Eng.

EDUCATION	Bachelor of Applied Science, University of Windsor, 1974
ASSOCIATION ACTIVITIES	Professional Engineer, APEGM, 1986 to present Initially registered as a Professional Engineer in Ontario, 1976 Councillor, Science Fair Judging, Luncheon PD Presenter, Webinar Author, Awards Committee, PD Committee; Communications Committee, Emerging Issues Committee EGAIAR Joint Board, Continuing Competence Committee, Council Appeal Committee
OTHER ENGINEERING ACTIVITIES	Wrote and advocated for test methods for ASTM, AOAC, and Hydro. Spoke at the U of MB on a variety of topics, from Materials research to mentoring a string of recently arrived students on "what is life like as a Chemical Engineer?"
EMPLOYERS SINCE GRADUATION	Chemical / Materials Engineer, Manitoba Hydro, Insulation Engineering & Testing, Process Engineer, Eldorado Nuclear, Allied Chemical, Imperial Oil, and Ethyl Corp., 1974 to 1986
PLATFORM	After 20 years as an APEGM volunteer, you elected me Councillor in 2013; I made some great new friends, brought in a few changes, and have done hundreds of hours work on Council committees. Want a better APEGM? Step1 is re-electing me. Step2 is reopening communication between any willing councillor and you. APEGM rules forbid this and say Members cannot be considered "owners" of APEGM! I think Member concerns have been ignored far too long. I believe all this can be fixed. If you agree, vote for me. Questions? Write to me at DAVID4APEGM@gmail.com . Join our Facebook-Group FRIENDS OF APEGM.
QUESTIONS FROM THE NOMINATING COMMITTEE	<p>1) In your view, what is the single most important issue facing the professions today, and why?</p> <p><i>I believe that involving members in the choices Council makes is important. They are big choices, as APEGM faces change. We need more member input as we work on Advocacy for the public interest. I believe member experience must also be considered as continuing competency and registration rules evolve.</i></p> <p>2) Why is self-regulation and the responsibility given to us by government and the public important?</p> <p><i>We understand engineering better than anyone, and have its best interests at heart. The public expects us to protect them, not only from disaster, but from economic 'harm' and the inconvenience of failed infrastructure. Government must see value in everything we do.</i></p> <p>3) What do you think the public's expectation is from the practices of engineering and geosciences?</p> <p><i>The public respects and trusts us. They know we do good technical work (unless instructed otherwise by the client!). By more actively advocating on their behalf, and letting them know, this respect will be enhanced. We need the help of all members to identify how we can advocate. APEGM must evolve wisely, and I believe that means Councillors make use of your input.</i></p>

BOGNA GRYC, P.Eng.

EDUCATION M.Sc. Mechanical Engineering, Technical University of Warsaw, Poland, 1989

ASSOCIATION PROFESSIONAL ENGINEER, APEGM, 1997 TO PRESENT
ACTIVITIES

OTHER ENGINEERING ACTIVITIES Member of "Friends of Engineering", University of Manitoba

EMPLOYERS SINCE GRADUATION Price Industries, 1993 to present
- Engineering Manager
- Product Designer

QUESTIONS FROM THE NOMINATING COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

Attract the younger generation towards the profession.

2) Why is self-regulation and the responsibility given to us by government and the public important?

To make sure high-level standards are adhered to by all members of the profession.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

Provide quality service

Reduce environmental footprint

Control costs

Innovate

JOHN H. GUENTHER, P.Eng.

EDUCATION	B.Sc. Mechanical Engineering, University of Manitoba, 1986
ASSOCIATION ACTIVITIES	Professional Engineer, APEGM, 1989 to present Registration Committee: Past Chair, and member for the past 10 years APEGM PPE Committee (since dissolved)
OTHER ENGINEERING ACTIVITIES	ASHRAE (MB) Chapter Board of Directors, Donwood Manor PCH Member, Winnipeg Building Commission, Mechanical engineer
EMPLOYERS SINCE GRADUATION	Nova 3 Engineering, Partner; Sr. Mechanical Engineer - 1997 to present Centra Gas (MB) Ltd., Distribution Engineer - 1993 to 1997 MBH Mechanical Ltd. – Mechanical Engineer/Designer -1989 to 1993 DFC Mechanical Testing & Balancing – TAB Assistant -1986 to 1988 Alphair Ventilation Systems – Industrial Fan Sales Engineer -1988 to 1989

PLATFORM

This is my first application for a term on Council, and I look forward to continuing my involvement with APEGM by serving as councilor. The function of the Association is crucial to our profession and our ability to practice our craft; as geoscientists or engineers. As a consulting engineer, I have the opportunity to interact with and personally know engineers from several branches of practice, and realize that they also have a unique set of concerns and obligations.

There are many challenges that face the engineering professional associations, including APEGM. I have several areas of focus which I see affecting the profession and as such I would:

- Lobby for the implementation of a statute of limitations in regards to engineering liability in keeping with other jurisdictions and other regulated professions.
- Undertake a role in Continuing Professional Development (CPD) to promote continued education for the betterment of our members and the public and to support members in the process.
- Recognize the proposed Act changes regarding limited licenses, and work to raise the standard of the profession, and to advocate for fairness in issuing these licenses.
- Having served on the Registration Committee, and also being the son of an immigrant, I have seen the challenges that these applicants can face. I would strive to ensure equal opportunities of qualified foreign-trained engineering applicants.
- I would also strongly support the promotion of women in engineering, as there still seems to be an unbalanced representation of female engineers in my area of consulting engineering.
- Work to enhance the image of engineering in our communities to help attract the youth of our province to the engineering profession.
- Lobby to encourage those who purchase engineering services including government, institutions, developers and heavy industry, to buy Manitoba engineering services.

QUESTIONS
FROM THE
NOMINATING
COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

In my professional opinion, I believe the single most important issue facing the engineering professions today is the gradual increase in bureaucracy associated with professional accountability. As professionals today, we are more often questioned by decision makers with limited expertise and experience that hold little or no liability in the outcome of a decision. This increasing amount of bureaucracy is beginning to erode public perception of the engineering and geoscience professions in that we are being viewed less as a technical authority and more just as a necessary resource. Professional engineers and geoscientists have received, and continue to receive, extensive education, training, and experience that allow us to make appropriate decisions and maintain public safety. We need to work more in conjunction with regulatory bodies and decision makers to ensure that we maintain technical authority, and that all work remains correct, efficient, and professional.

2) Why is self-regulation and the responsibility given to us by government and the public important?

The responsibility of self-regulation is important because only another professional member can adequately and fairly review and discipline a colleague. A professional check-balance system must involve professionals checking professionals who are all under the same strict ethical code. By showing both the government and the public that professionals are willing to be held accountable to other ethical professionals for the sake of the public's interests, we have achieved a very efficient way of the check-balance system that, if properly used by all members, will show the value of self-regulating our industry.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

I think the public expects constant professionalism from our engineers and geoscientists in its dealings with them and our colleagues. I also believe that the public deserves to expect that their safety be paramount. Lowering the bar as to who is allowed to practice in this field may compromise this requirement. It is important to remember, and promote, that engineering as a whole is greater than the sum of its members. Competence and professionalism must be preserved in the public's eye.

GRANTLEY KING, P.Eng.

EDUCATION Bachelor's Degree in Civil Engineering, University of Guyana, 1997

ASSOCIATION Professional Engineer, APEGM, 2008 to present
ACTIVITIES Member, Experience Review Committee, 2010 to present

OTHER PMI Manitoba Chapter Conference Committee member
ENGINEERING
ACTIVITIES

EMPLOYERS MMM Group Limited, Senior Project Manager
SINCE CEMCO Inc. (Guyana), Senior Projects Engineer
GRADUATION

PLATFORM As a member of APEGM Council, I will endeavor to:

- Encourage involvement of young professionals within the association by working with public, private, and consulting sectors.
- Work to raise public awareness of the benefits of hiring a professional engineer by promoting engineering and geoscience profiles.
- Provide support to the initiatives by the Women in Engineering community in Manitoba, and highlight the positive contributions made on an on-going basis.

QUESTIONS FROM THE NOMINATING COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

In my opinion, the single most important issue facing the profession today is how to bridge the gap between male and female engineers. Over recent years the number of females entering the engineering profession have certainly increased, however there are challenges in bridging the gap in gender equality within engineering.

2) Why is self-regulation and the responsibility given to us by government and the public important?

Self-regulation and the responsibilities associated with it are extremely important for the profession to maintain, since it shows a level of trust from both the government and public for us to maintain our ethical standards. This allows our peers to regulate the members of the association rather than people from outside the engineering profession.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

I believe the public expect engineers and geoscientists to maintain high ethical standards, be innovative, ensure quality standards are maintained while being cost effective and efficient in designs and construction oversight. This gives the assurance of public safety.

LINDSAY MELVIN, P.Eng. FEC

EDUCATION	Master of Business Administration, University of Manitoba, 2015 M.Sc., Mechanical and Industrial, University of Manitoba, 2004 B. Sc. Mechanical Engineering, University of Manitoba, 2002
ASSOCIATION ACTIVITIES	Professional Engineer, APEGM, 2006 to present Committee for Increasing the Participation of Women in Engineering (CIPWIE), Chair 2011 to 2015, Member 2015 to present Ingenium, Conference Presenter, 2012 Women's Action Committee, Member 2005 to 2007, Chair 2007 to 2011 Nominating Committee, Member 2009 to 2010 Keystone Professional Articles
OTHER ENGINEERING ACTIVITIES	Engineers Canada, Women in Engineering Committee, Chair 2013 to 2014, Member 2014 to present MCWESTT 2015, Manitoba Community for Women in Engineering, Science, Trades & Technology, Conference Presenter Electricity Human Resources Canada, Bridging the Gap Project, Steering Committee Member, 2013 to 2014 MCWESTT 2013, Member, Conference Organizing Committee Manitoba Hydro Professional Engineers Association, Elected Councillor, 2011 to 2013 Engineers Canada, Women in Engineering Advisory Group, Chair 2010 to 2013, Member 2007 to 2010 Fellow of Engineers Canada, Awarded 2012 CCWESTT 2012, Canadian Coalition of Women in Engineering, Science, Trades & Technology, Conference Presenter 13 th National Biennial Conference of the Canadian Coalition of Women in Engineering, Science, Trades & Technology, CCWESTT 2010, Conference Co- Chair
EMPLOYERS SINCE GRADUATION	Manitoba Hydro: <ul style="list-style-type: none">▪ Distribution Portfolio Management & Controls Section Head, Distribution Portfolio Management Services, 2014 to present▪ Senior Business Performance Engineer, Distribution Portfolio Management Services, 2013 to 2014▪ Senior Market & Risk Studies Engineer, 2011 to 2013▪ Market Model & Risk Model Analyst, Export Power Marketing, 2007 to 2011▪ System Modelling Engineer, Resource Planning & Market Analysis, 2006 to 2007▪ Engineer-in-Training, Resource Planning & Market Analysis, 2005 to 2006 University of Manitoba, Teaching Assistant, 2002 to 2004
PLATFORM	I will do my best to represent all APEGM members and be an accessible liaison between Council and members. I will support initiatives that ensure APEGM is well positioned to meet the present and future needs of the public and our members. I will contribute to APEGM's role in protecting and promoting public interest by ensuring: that competent and ethical practice is upheld; members value self-regulation; government, regulators, and the public understand and value the professions; we work towards a membership that reflects the diversity of the public we serve, and; we

maintain and develop supportive relationships with common interest organizations such as educational institutions.

QUESTIONS
FROM THE
NOMINATING
COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

The single most important issue is the need to adapt our profession to meet the current and future needs of the public. The increase in the variety of engineering and geoscience performed, means that we must adapt our skills and the professions while maintaining professional integrity and regulation of the professions.

2) Why is self-regulation and the responsibility given to us by government and the public important?

Self-regulation is important because it is those within the professions who are most qualified to regulate. If responsibility were revoked, the professions may be regulated by those lacking technical expertise and professional experience to assess engineering and geoscience practitioners. This would result in devaluation, reduced respect and undermining of the professions.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

The public expects us to provide our professional services such that the expected and unexpected needs of the public are met given design criteria and/or constraints. This includes assuming ethical responsibility, and considering the public, the profession and the organizations we represent with respect to safety, the environment, and social needs.

MYRON PARYNIUK, P.Eng. FEC

EDUCATION M.Sc. Sciences, University of Manitoba, 1987
B.Sc. BioSystems Engineering, University of Manitoba, 1984

ASSOCIATION ACTIVITIES Professional Engineer, APEGM, 1988 to present
Member, R&D Committee, 1990 to 1995
Member, Emerging Issues Committee, 2002 to 2010

OTHER ENGINEERING ACTIVITIES Member, APEGBC

EMPLOYERS SINCE GRADUATION Stantec Consulting, Principal & Sector Lead
AECOM, Associate Vice-President
Parrish & Heimbecker Ltd., Corporate Engineer
Export Packers Ltd, Corporate Engineer

PLATFORM Engineers and Geoscientists have had, and continue to have a critically important role in our economy. In today's global marketplace, our members require even greater training, development and mentorship in order to effectively compete on both a local and international level. Continued and even further support is required from APEGM and other Canadian associations towards facilitating a forum to provide greater opportunities for professional development in order that we develop, retain and attract the best engineering and geoscience candidates possible.

QUESTIONS FROM THE NOMINATING COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

Professional development, especially for our junior engineers, is one of the most pressing issues facing our profession today. Engineers require the appropriate academic background and practical experience to be better able to excel in our today's environment. Means to better facilitate and evaluate further professional development will only improve qualifications of our members, both locally and abroad.

2) Why is self-regulation and the responsibility given to us by government and the public important?

As a self-regulated body, APEGM has the important duty of regulating the standards of our profession, free of political pressure, while at the same time adjusting our standards to reflect the ever-changing needs of business, public and members. With these powers, the public and members can be assured an independent process is in place to enforce standards, compliance and when necessary, disciplinary action.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

The public expects the practices of engineering and geoscience to be trustworthy, capable and socially responsible. As the engineering and geoscience practices are governed by an independent, self-regulating body, the

public expects its members to also conduct themselves in a responsible, independent and ethical manner, exhibiting the standard of care and social responsibility expected for their clients, customers and public.

KRISTEN POFF, P.Eng.

EDUCATION M.Sc. University of Manitoba, May 2015 (exp.)
B.Sc. Civil Engineering, Lakehead University, 2011
Diploma in Civil Engineering, Red River College, 2008

ASSOCIATION PROFESSIONAL ENGINEER, APEGM, 2014 TO PRESENT
ACTIVITIES CIPWIE (Incoming Chair)
MCWESTT 2015 Planning Committee (Secretary)

OTHER ACEC MB BOARD SECRETARY/TREASURER
ENGINEERING ACEC MB YOUNG PROFESSIONALS COMMITTEE CHAIR
ACTIVITIES ACEC MB TWICE PAST CHAIR & FOUNDER
TAC GEOMETRIC DESIGN COMMITTEE MEMBER

EMPLOYERS WSP CANADA INC., PROJECT ENGINEER, 2014 TO PRESENT
SINCE GENIVAR (NOW WSP), PROJECT DESIGNER, 2011 TO 2014
GRADUATION GENIVAR, SUMMER STUDENT, 2006 TO 2011

PLATFORM Since being introduced to the engineering profession in college, I have been actively involved in the promotion of engineering as a career choice for the next generation. I believe that the engineering profession needs to showcase its talents to recruit new engineers, retain the young professionals already in the profession, while continuing to increase diversity. My volunteering experience has provided me a solid foundation in the engineering sector and has given me the opportunity to give back to the profession.

As an APEGM councillor, I would strive to increase knowledge of our organization and to promote engagement from traditionally under-represented groups. Additionally, I would work to create a higher profile for the engineering and geoscience professions in the community to bring a better understanding of our contributions to society. Finally, I would continue to promote engineering as a career choice for today's youth, so that we may attract diverse, talented individuals to the profession.

QUESTIONS FROM THE NOMINATING COMMITTEE

1) In your view, what is the single most important issue facing the professions today, and why?

Many people have said that engineering has an image problem. The engineering and geoscience communities contribute to the betterment of society... many of us are professional problem solvers. Our primary duty is to protect the public, yet the vast majority of the public do not understand what an engineer does or the qualifications required to become an engineer. I believe that engineers should receive the same understanding and level of respect as other professional, self-regulating occupations, such as dentistry, medicine, and law. To continue our profession, we need the youngest generation to be excited about engineering and consider it as a viable career option.

2) Why is self-regulation and the responsibility given to us by government and the public important?

Self-regulation and the responsibility given to us by government and the public recognizes the maturity of the engineering profession and acknowledges the

ability of our membership to govern engineering practices. Engineering and geoscience require specialized training and knowledge; it is through self-regulation and licensure that our profession can assure the public and the government that engineers maintain the knowledge, skill, and competency required by our dynamic profession.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

Engineers and geoscientists are responsible and accountable for safeguarding and protecting the public interest. Regardless of discipline or background, it is our responsibility to ensure that our projects enhance the community in which we live... Our life's work, makes your life better. The public expects our professions to continue to be innovative when solving their problems while balancing the environmental stewardship and social interests.