

Efrem Teklemariam, M.Sc., P.Eng., FEC

Candidate put forth by the Nominating Committee

- EDUCATION:** M.Sc. Water Resources Engineering, University of Manitoba, 1999
M. Eng. Hydraulic Engineering, Delft Technical University, the Netherlands, 1988
B.Sc. Hydraulic Engineering, Addis Ababa University, Ethiopia, 1983
- ASSOCIATION ACTIVITIES:** Professional Engineer, Engineers Geoscientists Manitoba, 1996 to present
Centennial Task Group, 2017 to present
Engineers Canada Accreditation Committee, 2012 – 2015
Academic Review Committee, 2003 – 2013
- OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:** Board of Director of Citizenship Council of Manitoba
International Educated Engineering's Qualification program, founding member
Climate Change & hydrology of the Natural Sciences and Engineering Research Council of Canada, panel member
- EMPLOYERS SINCE GRADUATION:** Manitoba Hydro, 1990 to present
- Hydrotechnical Studies, Senior Engineer, 1990 - 2003
 - Hydroinformatic Engineering, Section Head, 2003 - 2009
 - Water Resources Engineering, Manager, 2009 to present
- QUESTIONS FROM THE NOMINATING COMMITTEE:**
- 1) What is the most important issue facing the professions today? Why?**
- In a rapidly changing environment and society with ever increasing public expectations and demand for transparency one of the single most important issues is to adapt our profession to maintain the ability to meet future public needs and interest in an environment with increasing unknowns. As a profession we must have the tools and knowledge to be able to quickly adapt our skills to these changes while maintaining professional integrity and regulation.*
- 2) Why is self-regulation, and its associated responsibility important?**
- Self-regulation is paramount to the profession as it ensures that the ethical, competent, skilled, and divers members can be relied upon to appropriately support the public interests and safety in all engineering works. If self-regulation was lost, government intervention in regulation could result in external influences inadvertently devaluing, reducing respect, and undermining the profession.*
- 3) Why is diversity important to the professions?**
- A balanced workforce that reflects the diversity of our society makes a profession sustainable. The current constitutional make up of our profession is not reflective of the demographic diversity of our society and as members we should be proactively working to be more inclusive to*

promote our profession and make it accessible to all members of our society.

4) What is the public's expectation of engineering and geosciences?

The public's expectation from the practices of engineers and geoscientists is to practice ethically, with utmost integrity and with the highest standard to ensure all engineering works are completed with the public's safety and interest as a primary consideration while at the same time ensuring that all environmental, societal, and economical aspects are considered and respected.