

VIA RESS

January 7, 2021

Ms. Christine Long
Registrar and Board Secretary
Ontario Energy Board
2300 Yonge St., Suite 2700
Toronto, ON M4P 1E4
Email: Registrar@oeb.ca

Dear Ms. Long,

RE: EB-2020-0176 Regional Planning Process Review Consultation - Potential Member of the RPPAG

On December 10, 2020, the Ontario Energy Board (“OEB”) issued a letter advising that it was re-establishing its review of the regional planning process. The letter requested those interested in participating in the Regional Planning Process Advisory Group (“RRPAG”) to indicate such by filing a letter with the OEB, in accordance with instructions set out in Attachment B to the letter.

Alectra Utilities (“Alectra”) provides electricity distribution services within the Greater Golden Horseshoe to the Cities of Mississauga, Hamilton, St. Catharines, Brampton, Alliston, Aurora, Barrie, Beeton, Bradford, Guelph, Markham, Penetanguishene, Richmond Hill, Thornton, Tottenham and Vaughan. Given such a large regional span of service, Alectra has a great interest in participating in the development of regional planning processes. Specifically, Alectra is interested in ensuring alignment between the OEB, the IESO, and utility planning outcomes.

Alectra wishes to nominate Mr. Riaz Shaikh to the RPPAG. Mr. Shaikh has over 23 years of progressive and diversified experience in Electrical Distribution and Control in the areas of System Planning, Asset Management, Design, Reliability and Quality Management, and Product development. In his role as Manager, Distribution System Planning for Alectra, Mr. Shaikh is primarily responsible for the development of both short- and long-term planning to ensure the efficiency, effectiveness, and reliability of Alectra’s distribution system. Mr. Shaikh has previously supported and participated in IESO regional planning activities for six planning regions and nine sub-regions. He has also been a key contributor to Distributed Energy Resources (“DER”) integration and planning within Alectra’s system.

Mr. Shaikh holds a Master of Applied Science, Electrical & Computer Engineering degree, with a specialization in High Voltage and Power Systems. In addition, he has an expert level of understanding and knowledge of technical specifications and standards (CSA, IEEE, and ESA). Mr. Shaikh is: a registered member of the Professional Engineers Ontario; Six Sigma Black Belt

Trained; and is the past chair of the Canadian Energy Association-Standards Council of Canada working group.

Mr. Shaikh's other industry affiliations include the Centre for Energy Advancement through Technological Innovation ("CEATI"), and participation in the previous iteration of the RPPAG. Mr. Shaik is also a co-founder of the Inter Utility Standards Forum ("IUSF").

Mr. Shaikh's detailed resume outlining his work experience, education, and affiliations is attached.

Alectra trusts that the OEB will find that Mr. Shaikh's background fit well with the intended purpose for the RPPAG and looks forward to further assisting the OEB on this important policy file. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

Yours truly,



Indy J. Butany-DeSouza, MBA
Vice-President, Regulatory Affairs
Alectra Utilities Corporation

Attach: RShaikh resume

Profile

- Over 20 years of progressive and diversified experience in Electrical Distribution and Control industry in areas of System Planning, Asset Management, Design, Reliability & Quality Management and Product development.
- Master's degree in Electrical & Computer Engineering with specialization in High Voltage and Power systems.
- Excellent understanding and knowledge of technical specifications & standards (CSA, IEEE, and ESA).
- Proven ability to work independently; and effectively manage multiple projects and teams; strong facilitation; and written & oral communication skills.
- Strong background in business processes and engineering.
- Registered as **Professional Engineer and Six Sigma Black Belt** Trained.
- Industry Affiliations such as CEATI, past chair of CEA-SCC and co-founder of the IUSF (Inter Utility Standards Forum), member of RPPAG.

Professional Experience

Alectra Utilities Corporation

Manager, Distribution System Planning

May 17- Present

- Lead the long term and short term Distribution System Planning activities for 5000 MW peak system.
- Lead the Alectra Utilities Distribution System Plan development.
- Actively supported the IESO lead regional planning activities for six planning regions and nine regional planning sub-regions within Alectra's service territory.
- Lead the Grid 2.0 activities which include Distribution Automation, key member of the DER integration
- Lead the project portfolio of over \$50MM which include New Feeders, Stations, Distribution Automation and Voltage conversion projects triggered due to capacity shortfall.

PowerStream Inc.

Manager, System Planning

May '14- May '17

Manager, System Planning and Standards

April '13 – May '14

Reliability Engineer

Nov '10- April '13

- Lead the Distribution System Planning, Asset Condition Assessment, Maintenance & Reliability and ESA Compliance activities.
- Member of the core team that supported PowerStream rate applications: COS (2012), ICM (2013) and Five year Custom IR (2015).
- Led the load forecast and true up verifications for CCRA's and the asset verification's for the LTLT.
- Led the short-term and long-term planning of PowerStream distribution assets. Manage a capital portfolio of approximately \$50M (system service and system renewal).
- Led the development of PowerStream's Asset Condition Assessment Report for Station and Distribution Assets resulting in a significant expansion of capital program (11M to 39M) to manage long term risk.
- Led the class EA process for New Transformer Station and land acquisitions (site selection, realtor liaison) for TS and MS stations
- Led a company- wide PAS 55 asset management assessment initiative.
- Developed a cable testing program (Tan delta) which is estimated to save over 700k over a 7 year period making PowerStream the first Utility in Canada to have in house cable testing program.

- Led Reliability programs and projects and instituted Five year Reliability work plan to achieve corporate reliability targets.
- Developed the Distribution Automation Plan and key member of developing the DA Strategy.
- Led Regional Planning activities for RIP and IRRP activities with significant interactions with Municipalities and IESO/Working group members/LAC's.
- Developed the C55 risk and benefit section in conjunction with Copperleaf.
- Led the development of maintenance policy, defined optimum proactive maintenance plans and programs (Vegetation management, Distribution assets) and harmonization of Inspection and Maintenance.
- Established the Distribution Transformer C2C program with the vendor and successful approval of the program requirements with the ESA leading to significant cost savings.
- Developed the Failure Analysis Reporting and Corrective Action System.
- Investigated and supported innovative enhancement technologies (e.g. smart grid projects, cable testing, injection, GIL (transmission Undergrounding)).

Rockwell Automation (Allen-Bradley), Cambridge, Canada 2005-2010

Project/Quality Engineer

- Led the MV distribution system analysis for projects (Short Circuit Analysis, Protection Coordination)
- Member of team involved in advanced research into magnetics and Medium Voltage AC Drive Technology. Filed Patent *US8283578- Electrical device, system and method for operating with reduced acoustic noise generation.*
- Led the failure analysis for MV Distribution and Control equipment and systems and drive root cause corrective action to address reliability issues. (Transformers, MV Cables).

Hydrogenics Corporation, Mississauga, Canada 2002-2005

Systems Test Engineer (Fuel Cell Stack and Power Module Development)

- Led the development testing of hydrogen fuel cell stack and power module for back up power and automotive application.
- Research and investigation in the fuel cell module development and lead the first trials of sub zero operation of hydrogen fuel cell (Design of Experiments).

Adwan Company Ltd, K.S.A 1996-1999

Project Manager

- Managed the Design Integration, procurement and commissioning of Medium Voltage Distribution systems for generating stations, utilities and Oil and Refinery projects. The major projects worked are Riyadh Power plant PP-9 project, Yanbu Refinery, Rabigh Refinery.
- Defined the rules and guidelines for the integration and commissioning for Power and Distribution transformers, Power Cables (Commissioning and Acceptance Tests).

Electric Control Gear India Ltd, India 1994-1996

Project Engineer

- Simulation, analysis and design of solid state protection relay for medium voltage distribution and control.
- Research (new development & patent search) and investigation of hardware and new control techniques for protection relays and automatic transfer switches.

Computer Skills**Applications** MS office, MS Project, Minitab, AutoCAD, ETAP, CYME**Relevant Training****Design for Six Sigma Black Belt** Sigma Breakthrough Technologies, U.S.A

Internal Quality Systems Auditing S.G. S. Yarsely International, U.K

Education

Master of Applied Science, Electrical & Computer Engineering 2002
University of Windsor, Windsor, Ontario, Canada, GPA 3.75/4.00

Bachelor of Electrical Engineering 1994
North Gujarat University, India

Technical Publication and Presentations

IEEE Transactions on Dielectric and Electric Insulation –Paper 1695 and 1696 2007

9TH International Conference on Solid Dielectrics- Winchester, Hampshire, UK 2007

Cable Rehabilitation program based on Tan- Delta Testing (EDIST) 2013

Cable Testing Methodology (CEATI) 2014

Distribution Automation (CEA-SCC) 2016