

Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
2300 Yonge Street
Suite 2700
Toronto, Ontario
M4P 1E4

Friday, January-14-11

Re: Smart Grid Working Group (SGWG) Expression of Interest - EB-2011-0004

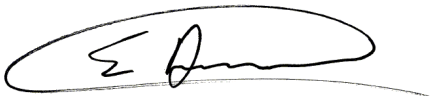
I would like to be considered for participation in the SGWG. Presently, I am employed by Thunder Bay Hydro a licensed distributor within Ontario where I lead the planning for future Smart Grid deployment. I will ensure that the requirements of all distributors and the potential costs and benefits to electricity consumers in Ontario are well understood.

With over 20 years of experience in the utility business in design & construction, operation & maintenance as well as senior management roles; I have the background, expertise and experience to contribute significantly to the development of a provincially directed Smart Grid program.

Previously I have participated in provincial initiatives while on the Transmission Planning Taskforce (2005) and the Feed In Tariff Working Group (2009/10). Presently I am the Vice Chair of EDA Operations Council, a member of Utility Standards Asset Management Working Group and sit on the Electrical Safety Authorities' (ESA's) Appeals Board.

Please find attached a copy of my resume as a reference, should you have any questions do not hesitate to call or write.

Respectfully,

A handwritten signature in black ink, appearing to read 'E. DaRosa', enclosed within a large, loopy oval shape.

Emanuel DaRosa
Vice President, Power Systems
Thunder Bay Hydro Electricity Distribution Inc.
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Emanuel DaRosa P.Eng., MBA

Vice President of Power Systems

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Executive leader with a degree in electrical engineering and a MBA with 20 years experience in the energy industry. I have extensive knowledge in approval through to implementation and management of transmission, distribution and generation capital projects. I also have extensive experience in the management, operation and planning of power systems along with regulatory knowledge of the industry in Ontario and North America. I have a history of managing programs and projects within schedule, scope and budget. I also have a reputation for being extremely hard working, getting the job done while committed to excellence, which has gained me the respect of my staff and superiors.

Professional Experience

*Vice
President of
Power
Systems*
Jul 06' –
Present

Thunder Bay Hydro Distribution, Thunder Bay, ON

- Support and direction to the president & board
- Manage all operations, construction & eng staff
- Ensure operational & financial performance
- Profit & Loss accountability
- Labour relations and negotiation
- Maintenance & capital program approval
- Governance & strategic planning
- Lead divisional health & safety
- Asset benefits maximized & costs minimized
- Expert witness at regulatory hearings
- Contract negotiations and acceptance
- Acquisition & development of core competencies

Accomplishments:

- Successfully implemented restructuring, assignment of key objectives and implementation of KPIs
- Instilled alignment & focus amongst leadership team by providing strategic direction
- Improved workforce productivity 25% by ensuring highest business standards and a quality culture
- Set standard for Asset Management in Ontario with a systematic approach utilizing best practices
- Led the redevelopment of the entire planning, budgeting, reporting & financial controls process

*Transmission
and
Distribution
Asset &
Investment
Manager*
Jan 03' –
Jul 06'

Great Lakes Power, Brookfield Power Corp, Sault Ste Marie, ON

- Management of all engineering staff
- Regulatory compliance and direction
- Direct customer relations management
- Standards approval & acquisitions
- Transmission system planning
- Maintenance & capital plan development
- Provide technical and strategic vision
- Manage departmental health & safety
- Project business case review and acceptance
- Provision of T&D expertise to corporation
- Contract negotiations and acceptance
- Environmental plan review and approval

Accomplishments:

- Received regulatory approval for and led the construction of a \$91M transmission project
- Led the development of the Transmission & Distribution 20 year capital plan
- Appointed to provincial task force developing framework for transmission investment planning
- Member of the corporate environmental audit team – Can/US/Brazil

*Design &
Development
Supervisor*
Jan 98' –
Jan 03'

Remote Communities (Micro Grids), Hydro One, Thunder Bay, ON

- Asset management & life cycle costing
- Supervision of field and technical staff
- Design/Project management of diesel plants
- Standards/procedures development
- Design of transformation facilities
- Business case development
- Project contract negotiations
- Development of diesel/hydro/wind automation
- Develop SCADA/PLC/Web Reporting
- Environmental project coordination

Accomplishments:

- Winner of the Hydro One New Technology Award for innovations in plant design
- Completed a \$4,000,000 diesel generating station on time and within budget
- Automated the complete fuel handling system at 12 diesel generating stations

Professional Experience Cont'

Distribution Engineer

May 95' –
Jan 98'

Northwest Retail, Ontario Hydro, Thunder Bay, ON

- Distribution system planning
- Manage line and station capital/maintenance
- Design line and station protection
- Direct field staff in problem resolution
- Develop energy efficiency programs
- Project proposal and management
- System planning
- Supervise drafting and technical staff
- Approve large connection requests
- Model and simulate grid system

Accomplishments:

- Constructed 115/25kV DS for \$500,000 which was estimated at lowest cost of \$1,500,000
- Designed and commissioned the longest (76 km) submarine distribution cable run in Ontario
- Solved an overloaded feeder for \$400,000 where previous solution estimated at \$1,500,000

Thermal Station Engineer

Oct 94' ·
May 95'

Atikokan GS, Ontario Hydro, Atikokan, ON

- Manage and administer projects
- Resolve technical station problems
- Engineer minor modifications
- Perform economic studies

Accomplishments:

- Discovered and rectified an operations gland steam valve coordination problem that had been in place since the commissioning of the generating station

Transmission Design Engineer

June 91' –
Oct '94

Transmission Design, Ontario Hydro, Toronto, ON

- Electrical Design of transformer stations
- Design transmission lines and cables
- Develop cable leak detection system
- Grounding/lightning studies
- Electrical arrangements
- Short circuit analysis
- Perform EMF studies
- Develop application software

Accomplishments:

- Developed a transmission line crossing clearance checking program based on robotics that previously had not been successfully implemented
- Designed an oil filled cable leak detection system that adaptively learned the normal oil system reservoir response and would alarm if system parameters deviated

Education

2005-2006

Masters of Business Administration

Tulane University, New Orleans, Louisiana

Advanced Business & Marketing Strategy

- Financial Management
- Advanced Finance
- Financial Statement Analysis
- Marketing Management
- Managerial Economics
- International Business

1986-1991

Bachelor of Electrical Engineering Degree - First Class Standings

Lakehead University, Thunder Bay, Ontario

Teaching/Research Assistant

- Developed an adaptive motor control system
- Processing of digital signals (FFT, RLS, etc.)
- Design & implementation of first field operational expert system in Canada at Thunder Bay GS
- Plant engineering estimated the system generated savings in excess of \$250,000/yr and significantly reduced boiler downtime
- Paper published in IEEE
- Design of digital filters

Additional Information

Awards: Corporate New Technology Award • Ontario Hydro – 1999
Honour Roll Student 1988 to 1991

Skills: Strong leadership, team building and participation abilities
Keynote speaker for Electric Utility Association’s Operational Council on asset management
Keynote speaker at EDIST conference on Risk Management for Utilities
Excellent verbal and written communication skills
Harvard’s Balanced Scorecard Certification
Strong business background and business sense
Health and Safety Certification
Corporate Environmental Managed System (EMS) Auditor
Excellent problem solving capabilities
Experienced presenter and public speaker
Numerous Design Software: PSSE, PSS/ADEPT, PLSCADD, AutoCAD
Numerous Presentations include: Customer/Stakeholder, Regulatory Approval, Automation
ASP, JavaScript, HTML, VBScript, C++ and Basic computer programming
Mentor young Engineers facilitating their development
Teaching experience gained tutoring University students

***Development
Courses
Attended:***

- Leadership Development
- Balanced Scorecard Strategy
- CPR & First Aid
- Level 2 Safety Certification
- PSS/E & PSS/ADEPT
- Power System Modeling and Simulation
- System Aspects of Protective Relaying
- Modern PLC Programming
- Time Management & Prioritization
- Back to Basics Health & Safety
- ISO 14001 – Environmental Systems
- Process Optimization and Mapping
- Transmission Line Design
- Distribution System Protection
- Contracting for Engineers
- SCADA Development & Programming

Memberships: Professional Engineers of Ontario (PEO)
Institute of Electrical and Electronic Engineers (IEEE)
Toastmasters International

Hobbies:

Skiing	Hockey	Rollerblading
Baseball	Web Applications Design	Weightlifting
Snowmobiling		