

September 26, 2018

**VIA COURIER, RESS and EMAIL**

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
2300 Yonge Street, 27<sup>th</sup> Floor  
Toronto, ON  
M4P 1E4

Dear Ms. Walli:

**Re: Upper Canada Transmission, Inc. (“NextBridge”) and  
Hydro One Networks Inc. (“HONI”)  
East-West Tie Line Project and Lake Superior Link Project  
Combined Hearing  
EB-2017-0182/EB-2017-0194/EB-2017-0364  
Updated Curricula Vitae of NextBridge Witnesses (Exhibit A-1-3)**

Please find enclosed updated curricula vitae (Exhibit A, Tab 3, Schedule 1, pages 1 and 2) for NextBridge in the above noted proceeding.

Yours truly,

(Original Signed)

Krista Hughes  
Senior Legal Counsel  
Enbridge Employee Services Canada Inc.

## DAVID BIGGAR, MCIP, RPP | *Project Manager*

### PROFESSIONAL SUMMARY

- Land use planning and project management professional with experience in energy project development, including Wind, Transmission and Solar infrastructure
- Comprehensive knowledge of municipal and provincial planning processes and regulatory frameworks
- Successful completion of various agency land acquisition and permitting processes with federal, provincial, and local departments, ministries, municipalities, and public and private agencies
- Experienced in conducting positive municipal and community consultations

### PROFESSIONAL EXPERIENCE

#### **CanACRE Ltd.**, Toronto ON

CanACRE provides land acquisition, geospatial mapping, data management, web-based GIS, community relations, land feasibility studies and permitting services. Our clients include large scale energy developers, telecommunications companies, and government entities that are involved in the planning and development of energy projects, rights of way, resource management and infrastructure across Canada and the United States.

#### **Project Manager** (Dec 2016 – Present)

- Develops custom strategic approaches to land acquisition, permitting, and project management initiatives in accordance with timeline restrictions and applicable regulatory frameworks
- Oversees land acquisition activities for multiple energy and ROW projects in Ontario
- Oversees municipal, provincial and federal permitting activities
- Manages land stakeholder issues, resolution processes, and approval filing requirements
- Tracks and monitors project budgets
- Manages field activities to ensure project timelines are met and projects are successfully completed

#### **Planner** (Mar 2016 – Dec 2016)

- Consulted with agencies regarding approvals from various authorities for projects to commence construction
- Reviewed Official Plans, zoning by-laws, permitting/procedural by-laws for due diligence and to ensure comprehensive understanding of projects at the local level
- Supported, planned and conducted municipal (delegations to Councils, Boards, Committees, etc.) and community consultations according to a variety of processes related to energy infrastructure development
- Responsible for various Crown Land permitting processes (Land Use permit, work permit, Consent for the Disposition of Surface Rights, withdrawal orders, consultation for Ontario Parks permitting, etc.)

## Relevant Projects

### High Voltage Transmission Line Projects

- Project Manager and Planner for NextBridge Infrastructure's 450km, double-circuit 230kV East-West Tie Transmission Line Project

### Distribution Line Projects

- Project Manager for BluEarth Renewables, Loyalist Solar Connection Line, 15km, 34.5kV

## Capstone Power Development, Toronto ON

### Junior Project Manager (Aug 2014 – Mar 2016)

- Facilitated the development approvals and permitting process for five Ontario wind energy facilities: Grey Highlands ZEP and Clean Wind Farms, Snowy Ridge Wind Park, Settlers Landing Wind Park, and Ganaraska Wind Farm
- Successfully completed Renewable Energy Approvals with the Ministry of Environment and Climate Change
- Obtained federal, municipal, and Conservation Authority permits required for facility construction in accordance with applicable legislation and guidelines
- Liaised with landowners to undertake field work for permit and approval processes
- Secured habitat compensation land for endangered species as required by the *Endangered Species Act*.
- Executed public engagement and environmental due diligence proposal requirements for project submissions to the IESO's Large Renewable Procurement program, including public open houses

## Ontario Sustainable Energy Association, Toronto ON

### Consultant, Community Power Services Group (Sep 2010 – Jul 2012)

- Project coordinated a portfolio of community owned renewable energy projects
- Responsible for project development budgeting, work plan and scheduling, project reporting, community engagement, business planning, and RFP processes
- Assisted in the development and implementation of Aboriginal Community Energy Plans

## EDUCATION AND PROFESSIONAL ACCREDITATION

### University of Toronto – Class of 2014

- Master of Science in Planning, Urban Planning and Development

### McGill University – Class of 2010

- Bachelor of Commerce, Strategic Management and Finance

Registered Professional Planner (RPP), Ontario

Member of the Canadian Institute of Planners (MCIP)

## Matthew J. Boykin

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**Professional License: Certified Public Accountant - Florida**

**Experience:**

NextEra Energy Inc. - NextEra Energy Transmission, LLC. Juno Beach, FL

August 2015 to date: **Director of Business Management** group in charge of commercial and financial matters for the NextEra Energy Transmission group of companies. Responsibilities include:

- Compliance oversight
- Forecast and budget oversight
- Served as witness on behalf of the company for accounting, tax, finance, rates, and affiliate related matters before the Public Utility Commission of Texas, Illinois Commerce Commission, and the Federal Energy Regulatory Commission.

December 2011 to July 2015: **Regulatory Accounting Manager** of accounting group in charge of oversight for books and records for the NextEra Energy Transmission group of companies and NextEra Pipeline business, and the accounting for mergers and acquisitions of regulated companies.

May 2011 to November 2011: **Senior Regulatory Accountant**

Next Era Energy Inc. - Florida Power & Light Co., Juno Beach, FL

August 2008 to April 2011: New Nuclear Accounting Group. Member of regulatory accounting group overseeing recovery of costs to build nuclear power plants. Responsibilities included:

- Draft testimony and exhibits for accounting rate witness.
- Support accounting rate witness as backup.
- Research and assist in developing accounting policy for the projects utilizing the FERC Code of Federal Regulations and the Florida Public Service Commission Rules and Orders.

Bank of America, Palm Beach Gardens, FL

May 2003 to August 2008. **Small Business Specialist.**

**Elective Public Office:**

Northern Palm Beach County Improvement District. **President of the Board, Supervisor, Seat 5:** Publicly elected November 2008 and re-elected November 2012 and November 2016 to successive four year terms. NPBCID is an independent special district that provides water management and infrastructure development services. Responsibilities include: management of public improvement district with budget of approximately \$30 million, public meetings, speeches to public. Currently serving as internally elected President of NPBCID. Also serving as Chairman of the Debt Finance Committee, Budget and Banking Committee and Personnel Committee.

**Education:**

Florida Atlantic University: Master of Accounting, May 2005.

Miami University (Ohio), Farmer School of Business Administration: Bachelor of Science, May 2003. Finance major.

## **Curricula Vitae**

**Aziz S. Brott**

### **Work Experience**

#### **Project Engineering Lead**

Denver, Colorado; 2012-2018  
Nextera Energy Resources

#### **Transmission Design Engineer**

Denver, Colorado; 2008-2012  
Peak Power Engineering

### **Certifications**

#### **Professional Engineer**

Registered in Montana  
2012

#### **Project Management Professional**

2017

### **Education**

#### **MSU Denver**

Denver, Colorado 2003-2007  
Bachelor of Science in Civil Engineering Technology

**Curricula Vitae**  
**Edward “Allan” Gill**

**Work Experience**

**Director of Construction – Engineering & Construction Early Stage**

NextEra Energy Resources, LLC - Juno Beach, Florida; (2008-2018)

Accountable for a team of early stage Project Managers that support and coordinate all pre-construction engineering, procurement and construction activities with a cross functional internal team to conceptualize and develop projects with an integrated approach to the engineering, environmental, resource, interconnection, regulatory, cultural, permitting, commercial and operational aspects of the project, utilizing both internal and external resources, throughout the US and Canada.

**Portfolio Manager – Residential Land Development**

Lennar Homes Inc. - Royal Palm Beach, Florida; (2005-2008)

Accountable for a team of Land Development Managers that lead the sourcing, budget, schedule and daily management of all consultants and contractors necessary to develop residential and commercial properties from conception through the land acquisition, entitlements and construction phases until the Home Owner’s Association was turned over to the residents.

**Senior Project Manager – Commercial & Custom Residential Construction**

Rotherley Construction Inc. - Barbados; (1998-2004)

Accountable for project management during the entire life cycle of the project on a large variety of commercial and custom residential projects including: bid proposal, pre-construction, schedule, material/labour procurement, team selection, budget management and client services for maintenance while managing the daily superintendent staff and 200 trades people with budgets up to US\$100 Million.

**Senior Design Engineer – Residential, Commercial & Capital Public Works**

MACE Inc. - Ocala, Florida; (1994-1998)

As lead Civil Design Engineer on residential, commercial and capital improvement projects, responsible for development planning, discretionary approvals, engineering design, permitting and construction contract administration for Owners.

**Education**

**University of North Carolina at Charlotte**  
Charlotte, North Carolina 1994  
B.Sc., Civil Engineering

## **Curricula Vitae**

**Daniel Mayers**

### **Work Experience**

#### **Director – Transmission – Engineering & Construction**

Juno Beach, Florida; 2007-2018  
NextEra Energy Resources, LLC

#### **Project General Manager – Transmission / Substation Engineering**

Juno Beach, Florida; 2003-2007  
Florida Power and Light Co.

#### **Project Manager – Transmission / Substation Merchant Plant Interconnections**

Juno Beach, Florida; 2000-2003  
Florida Power and Light Co.

#### **Various Planning/Project Management/Design/Engineering/Operations positions – Transmission / Substation Engineering**

Juno Beach, Florida; 1983-2000  
Florida Power and Light Co.

### **Education**

#### **University of South Florida**

Tampa, Florida 1992-1997  
Masters of Science, Engineering

#### **University of Pittsburgh**

Pittsburgh, Pennsylvania; 1979-1983  
Bachelor of Science, Electrical Engineering



**Legal Proceedings**

I have filed testimony before the Public Utility Commission of Texas (PUCT) in Docket Nos. 40020 and 42469, Lone Star's two rate cases. I also testified before the Commission in Docket No. 38230, in support of Lone Star's application for a Certificate of Convenience and Necessity ("CCN"). I also filed testimony before the State of New York Public Service Commission in Docket Nos. 13-T-0455 and 13-T-0456 related to NextEra Energy Transmission New York, Inc.'s proposals to develop the Marcy to Pleasant Valley transmission project and the Oakdale to Fraser transmission project, respectively. I testified before the Maine Public Utilities Commission in Docket 2014-00048 in support of New Hampshire Transmission, LLC's proposal to develop a transmission solution to address reliability problems in Northern Maine. I testified before the California Public Utilities Commission in Docket No. A.15-08-027, in support of the application for a Certificate of Public Convenience and Necessity of NextEra Energy Transmission West, LLC for the Suncrest Dynamic Reactive Power Supply Project. Finally, I testified before the South Dakota Public Utility Commission in Docket No. EL17-050 in support of the application of Crowned Ridge Wind, LLC for a facility permit to construct a 230 kV transmission line and associated facilities from Codrington County to the Big Stone South Substation.

## Christopher J. Russo

Vice President

MS, Technology & Policy (Energy)  
Massachusetts Institute of Technology

BS, Mechanical Engineering  
Tufts University

Christopher Russo is a Vice President and the head of CRA's Energy Practice. He advises domestic and international clients in the electricity and gas industries in the areas of investment strategy and economic analysis, asset valuation, energy technology, and generation and transmission development. His expertise covers electricity and gas markets in North America, Europe, the Middle East, and worldwide.

He has testified in litigation and regulatory matters on issues regarding the economics, planning and operation of energy markets and has testified numerous times at trial. Mr. Russo also served on the Board of Directors of Neuco, a Boston-based company which provides software to enable neural network control of coal and gas-fired power plants.

Prior to joining CRA, Mr. Russo was a senior consultant with Cambridge Energy Research Associates in Paris, and prior to that, owned his own energy consulting firm as well as working for ABB Corporate Research in the US and Switzerland. He started his career at MIT as the Plant Engineer for the campus cogeneration power plant, and later held an academic appointment as a Visiting Scientist at the MIT Energy Laboratory where he investigated electricity technology and energy policy.

### Areas of Expertise

Mr. Russo is an energy economist and consultant with expertise in the following areas:

- The dynamics of electricity and gas markets in North America, Europe and worldwide, including market operations, regulatory economics, system planning, physical and economic grid characteristics, generation/dispatch system operations, power systems, and power plant operations. His experience covers nuclear, coal-fired, gas, hydroelectric and renewable (including solar, wind and hydro) generation resources and transmission projects.
- Expert witness testimony and reports related to energy disputes in multiple venues
- Strategic planning and advice for companies engaged in energy markets
- Financial valuations and assessments of generation and transmission assets
- Master planning for energy systems, including assessments of upstream supply sources, energy conversion, transmission, and demand sectors

### Professional History

2007–Present      *Vice President & Practice Leader, Charles River Associates, Boston*  
*(Previously held positions as Associate Principal, Principal and Vice President)*

- 2006 *Senior Consultant*, Cambridge Energy Research Associates (CERA), Paris
- 1999–2006 *Principal*, Russo & Associates LLC, Boston
- Worked with numerous market participants and regulators in markets in the US and abroad on the operations and software for restructured energy markets.
  - Provided economic analysis for market participants and regulators on generation and transmission assets.
- 1998–2002 *Consultant*, Department of Energy & Global Change, ABB Corporate Research Center, Baden-Dättwil, Switzerland
- Investigated CO<sub>2</sub> reduction strategies, new generation, and end-use technologies and helped to initiate the China Energy Technology Program. Acted as liaison between ABB and MIT. Worked closely with researchers from ETHZ and PSI. Held a Visiting Scientist appointment at the MIT Energy Laboratory.
- 1995–1998 *Plant Engineer*, MIT Cogeneration Project, Massachusetts Institute of Technology, Cambridge, MA
- Managed gas turbine and cogeneration plant operations, negotiated environmental permits, managed gas market purchases and contracts, and performed regular performance analyses for a cogeneration and district energy plant. Was a guest lecturer in the Department of Aeronautics teaching students about gas turbine technology.

## Selected Commercial Consulting Experience

- Mr. Russo has directed the analysis of over one hundred transmission and generation assets for utilities, equity and debt investors, infrastructure funds, regulators and market operators. He has analyzed assets in all major power markets, including ISO-NE, PJM, ERCOT, SPP, SERC, NYISO, CAISO, IESO, AESO, MISO and the Pacific Northwest. These include thermal, renewable, and hydro assets.
- Mr. Russo directed and lead due diligence efforts related to nuclear technology and power markets for a major private equity investor acquiring a nuclear fuel and services vendor in bankruptcy.
- Mr. Russo led the analysis for a major foreign investor entering the North American gas pipeline, processing and midstream market, consisting of strategic guidance and the analysis and due diligence of numerous North American and Mexican midstream assets.
- Mr. Russo supervised the analysis for the Alberta Electric System Operator on the development of new capacity market mechanisms in the provincial electricity market.
- Mr. Russo led the financial and transactional analysis for a group of investors on a combined heat and power gas-fired cogeneration plant.

- For a major renewable energy and transmission developer, Mr. Russo led the analysis of market impacts of proposed projects and assisted in developing commercial and regulatory strategy in New England and New York.
- Mr. Russo led the analysis for a major transmission project in PJM, including analysis of costs and benefits, production cost modeling, regulatory implications of FERC Order 1000 and other rules, and strategic advice on project development.
- For a transmission developer, Mr. Russo designed and directed the economic and technical analysis of a 2,000 MW HVDC project in the northeast US with detailed analysis of ISO-NE and NYISO markets.
- For a worldwide operator of data centers, Mr. Russo directed a risk exposure analysis of multiple markets, commodities and assets to assess the company's exposure to global trends.
- Mr. Russo directed the analysis of new regulatory approaches and energy technologies for a large African electric utility.
- Mr. Russo assessed the economic and technical suitability of large-scale photovoltaic technologies for a large Middle Eastern utility.
- Mr. Russo directed the analysis of renewable energy (solar and wind) procurement options for one of the largest renewable energy purchasers in the world. This evaluated technical, financial, and economic factors affecting the renewable technologies.
- Mr. Russo directed the analysis of capacity need and market conditions related to the siting of new capacity on Long Island for a client.
- Mr. Russo led a major review of new nuclear development strategy, including technical reviews, risk analyses, economic forecasts and prudence reviews for a US-based electric utility.
- Working for the mayor and city council of a major US city, Mr. Russo managed a due diligence effort to determine the feasibility of supporting new nuclear licensing applications for a municipally owned utility. This included a review of nuclear technology, market conditions, Nuclear Regulatory Commission (NRC) resource constraints, and federal regulatory policy related to nuclear loan guarantee programs.
- Mr. Russo led the analysis for a large industrial client of how electricity market rules related to reliability affected prices in installed capacity markets, including analyses of resource-adequacy and short-term grid contingency events.
- For a major municipal utility, Mr. Russo provided an independent review of the utility's investment analysis to retrofit emissions control equipment to a coal-fired power plant to comply with pending environmental regulations.
- For a transmission developer, Mr. Russo advised on the open-season transmission requirements and FERC process for a new merchant transmission line.
- Mr. Russo directed the analysis of the socioeconomic benefits of advanced coal technology in European, Chinese and South Asian markets, focusing on market effects, induced and indirect benefits and social impacts.

- Mr. Russo led the effort to develop an electrical market model for Europe for a Paris-based client. Working with the production-cost modeling software and his team, he assembled databases of resources, demand, fuel prices, and transmission network characteristics to build a comprehensive model of the EU grid.
- Mr. Russo directed and led a project to synthesize and summarize the nuclear technology risk and seismic hazard data for a two-unit nuclear reactor in North America.
- Mr. Russo directed an engagement for a client to assist in the purchase and contracting of large amounts of electricity to support aluminum smelting operations. This consisted of financial analysis of North American power markets including the MISO and PJM and financial evaluation of proposed contract structures.
- Mr. Russo managed a major effort for the City of New York to develop a Master Electrical Transmission Plan to address economic and reliability needs in the context of a multi-stakeholder process, incorporating the Mayor's Office, Economic Development Corporation, NYISO, ConEd, and the NYS Public Service Commission. The program addressed the economic and technical factors associated with AC and HVDC transmission, as well as the policy and financial impacts of public-private partnerships and equity investment strategies.
- For a major power development company, Mr. Russo led several projects to determine the optimal strategy for entering the gas-fired development market under pending environmental constraints and regulations. In a related project, he led efforts to investigate the feasibility of new and waste coal development in the PJM energy market.
- For the City of New York, Mr. Russo led a major effort to investigate the reliability and economic and environmental impact of the closure of the Indian Point Nuclear Energy Center on consumers and the economy. This comprised a report as well as testimony before various commissions.
- For a private equity firm, Mr. Russo directed the due diligence assessment of an energy storage technology manufacturer, focusing on the analysis of market opportunities for energy storage.
- For a major global semiconductor manufacturer, Mr. Russo led an effort to develop a global energy procurement strategy, analyze potential power contracts, and benchmark procurement activities against other similar firms
- Mr. Russo directed the review of the internal technical and financial modeling processes for an investor in the liberalized UK energy market.
- For a gas pipeline developer, Mr. Russo directed the analysis of a new pipeline project's impact on gas basis differentials.
- For a major European utility, Mr. Russo designed and managed a process to develop internally consistent analysis scenarios to enhance corporate planning. The effort involved soliciting input from different groups throughout the enterprise, designing scenarios, analyzing the results, and presenting the results to internal and external stakeholders.
- For a major Internet search provider, Mr. Russo directed the evaluation of potential sites for data centers in Europe and the US.

- For a major Asian utility, Mr. Russo managed an engagement to develop a growth strategy for a subsidiary of the parent firm, including a review of current operations, market positioning, potential risks, and strategic alliances, culminating in a concrete division growth plan.
- Working for the Executive Office of Sheikh Mohammed of Dubai, Mr. Russo was a principal in a major study examining the effectiveness of Dubai's current electric utility, petrochemical resources, and water resources. Working closely with local personnel, he spent significant time interviewing Dubai Electricity and Water Authority (DEWA) and Dubai Supply Authority (DUSUP) personnel, Emirati leaders, and stakeholders; evaluating petrochemical and water resources; and developing a comprehensive multi-attribute, multi-scenario energy system model of the emirate for evaluation of future energy strategies.
- Mr. Russo was a principal in a project to restructure a major utility in the United Arab Emirates, including long-term planning functions, regulatory efforts, customer service systems, IT architecture, and financial systems.
- Mr. Russo led a project for a major Hong Kong-based utility to help them adapt their management processes, planning infrastructure, and IT systems to pending emissions and energy trading regulations through performing needs assessments, sourcing strategies, and drafting RFPs.
- While with ABB, Mr. Russo helped design and organize the China Energy Technology Program, a joint ABB/AGS program to investigate sustainable energy systems in China, which included Electric Generation Expansion Analysis (EGEAS) modeling of the eastern China power network to identify long-term, cost-effective strategies for environmental improvement. The project was conducted in conjunction with the Swiss Federal Institute of Technology (ETHZ) and the Paul Scherrer Institut (PSI).
- Working with the MIT Cogeneration Plant, Mr. Russo provided continuing guidance and expertise on cogeneration plant and gas turbine operations, as well as conducting several economic cost-benefit analyses to plan future plant expansion.
- For a major software firm and federal clients, Mr. Russo helped prepare and develop a wide-area synchronized phasor measurement system to measure phase angle and frequency perturbations across the Eastern Interconnection to enhance grid stability.
- For PJM, Mr. Russo developed software and systems to visualize market participant bidding behavior to assist market monitors and dispatchers.
- For New York ISO, Mr. Russo designed and implemented a PI data historian system for tracking all operational data. He also trained system operators on its use, played an integral part in the standard market design to implementation and EMS development and developed various software applications to analyze system operations.
- For the California ISO, Mr. Russo worked as a consultant during the startup, developing systems to track generator dispatch operations and identify anomalous generator behavior to assist market surveillance personnel. During the power crises and rolling blackouts, he managed and maintained a critical system in use by all ISO personnel and developed a system to analyze results of Stage 2 and 3 events.

- Mr. Russo began his career in power as an intern for the Trigen Energy Corporation analyzing the operations and economics of Trigen's fleet of cogeneration plants.

## Testimonial History, Litigation Consulting & Major Public Reports (Prior Ten Years)

- *Massachusetts Superior Court*, Expert report submitted on behalf of a plant owner calculating damages from operational limitations on a district energy plant in the ISO-New England Market. Expert report submitted March 2018. Case is currently in mediation.
- *State of New Hampshire*, expert report submitted on behalf of a plant owner and operator in a tax certiorari proceeding in February 2018. Case was settled before hearing.
- *In re: Request for Advanced Ratemaking Principles by Interstate Power & Light Company*, Docket RPU-2017-0002, Iowa Utilities Board. Direct Testimony on behalf NextEra Energy Resources commenting on IPL's resource plan and the Duane Arnold Energy Center nuclear power plant. Direct, rebuttal and sur-rebuttal written testimony, and testimony at hearing, November 2017.
- *ABB AB v. Alstom Grid AB, Alstom Grid SAS and Alstom Grid UK Ltd., Stockholms Tingsrätt (Stockholm District Court), Cases 7403-15 and 11527-15*. Expert testimony submitted on behalf of Alstom related to damages resulting from the alleged IP infringement of HVDC technology. Report filed August 2017. Trial testimony (in English with translation), October 2017.
- *State of California v. Coral Power LLC et al., Docket EL02-71-057, Federal Energy Regulatory Commission*. Testimony on behalf of Shell Energy North America (f/k/a Coral Power) related to the causes of the 2000-2001 California Power Crisis and alleged energy market manipulation. Written testimony filed February 2017, deposition March 2017, trial testimony April 2017.
- *AAA Arbitration*, Lead economic expert in a dispute related to the economics of environmental regulations, coal-fired power plants, and railroad coal supply contracts in the US, with damages in excess of \$700 million. Expert report filed September 2016, deposition November 2017, trial testimony December 2016.
- *In re: Direct Application Of MidAmerican Energy Company For The Determination Of Ratemaking Principles*, Docket RPU-2016-001, Iowa Utilities Board. Direct Testimony on behalf of Google Inc., Facebook Inc., and Microsoft Corporation related to the economics of MidAmerican's Wind XI proposal, filed June 2016. Case was settled before hearing.
- *MAG Energy Solutions Inc. v. TEC Energy Inc. et al., Province de Québec, Cour Supérieure, Case No. 500-17-087823-152*. Expert report submitted on behalf of TEC Energy on issues related to energy trading in Canada and the United States, filed May 2016.

- *Northern States Power Company, Southern Minnesota Municipal Power Agency, Aegis Insurance Services et al., v. General Electric Company, State of Minnesota, Tenth Judicial District, Case 71-CV-13-1472*, Expert report submitted on behalf of GE calculating damages related to the outage of the Sherburne county power plant, filed March 2016. Deposition June 2016.
- *Entergy Nuclear FitzPatrick, LLC v. Town of Scriba, et al., Supreme Court of the State of New York*, Expert report of behalf of Entergy in a tax certiorari case projecting electricity revenue and nuclear fuel cycle costs for the James A. FitzPatrick Nuclear power plant, expert report filed January 2016. Case was settled before trial.
- *State of Maryland v. NRG, Case 09-RP-CH-261-265; 09-RP-CH-280-284; and 09-RP-CH-294-298*. Expert report on behalf of NRG projecting energy and capacity revenues for the coal-fired Mirant Mid-Atlantic Dickerson facility, 2014. Deposition March 2017, trial testimony, May 2014
- *In the Matter of Entergy Nuclear Indian Point 2, LLC & Entergy Nuclear Indian Point 3, LLC, DEC: 3-5522-00011/00004, SPDES: NY-0004472, DEC: 3-5522-00011/00030, DEC: 3-5522-00011/00031*, Direct and rebuttal pre-filed testimony on behalf of the City of New York related to the operations and economic impact of the Indian Point nuclear power plant, filed March 2014. Testimony at hearing April 2014
- *State of Maryland v. NRG, Case 09-RP-CH-261-265; 09-RP-CH-280-284; and 09-RP-CH-294-298*. Expert report on behalf of NRG, jointly filed with Robert B. Stoddard, projecting energy and capacity revenues for the coal-fired Mirant Mid-Atlantic Morgantown facility, January 2014
- *ThyssenKrupp Companhia Siderúrgica do Atlântico v. CITIC Group, ICC Case*, expert report for international arbitration submitted on behalf of CITIC group related to damages from improper operation of a power plant in Brazil, filed July 2012. Case was settled before hearing.
- *Indian Point Energy Center Retirement Analysis*, Prepared for the City of New York, August 2011
- *Summary of economic effects for proposed Spectra NJ-NY gas pipeline*, Memo prepared for Spectra Energy, and submitted to the New Jersey Bureau of Public Utilities, March 2011
- *Confidential Arbitration*, Expert report provided on behalf of a power plant investor regarding the appraised value of a coal-fired power plant in the PJM market, August 2011. Case was settled before hearing.
- *Proceedings before the New York State Assembly on the economic and reliability impact of the potential closure of the Indian Point Nuclear Energy Center*. Live testimony January 2012
- *Confidential Arbitration*, Expert report related to the valuation of a hydroelectric plant in California, which was settled before hearing, June 2013.
- *Coordination between Natural Gas and Electricity Markets, Docket AD12-12-000, Federal Energy Regulatory Commission*, Comments filed jointly with Dr. Richard Tabors and Scott Englander, 2012



- *In the Matter of Hudson Transmission Partners, LLC Case 08-T-0034*, direct and rebuttal pre-filed testimony on behalf of the City of New York before the New York State Public Service Commission in the Article VII proceeding for the proposed Hudson Transmission Partners HVDC cable. Live testimony April 2010
- *A Master Electrical Transmission Plan for New York City*, Prepared for the City of New York, May 2009
- *Public Utility Commission of Texas proceedings Cost-Benefit Analysis of the Texas Nodal Market*. Expert report on behalf of the Public Utilities Commission of Texas filed jointly with Alex Rudkevich and Ellen Wolfe December 2008. Live testimony January 2009
- Mr. Russo prepared testimony and analysis on behalf of a client accused of electricity market manipulation before the FERC. The case relates to alleged cross-product manipulation involving renewable and thermal assets and financial instruments. The case was settled before hearing.
- Mr. Russo assisted in the damages analysis for a case litigated in federal court related to damages associated with renewable power plant revenue as a result of market rule changes in the MISO market.
- Mr. Russo assisted in analyzing how transmission upgrade costs were allocated in Quebec for new development in support of testimony before the Régie d'Énergie.
- Mr. Russo performed analysis on behalf of a party in FERC litigation resulting from the California energy crisis, including simulation of the CAISO market clearing process and trading strategies employed by different parties.

#### *Ongoing & Settled Engagements*

- Mr. Russo acted as an expert in a case concerning coal mines and fuel contracts with coal-fired power plants. The case was settled before his report was submitted and he was disclosed and thus remains confidential.
- Mr. Russo prepared an expert report calculating damages from the delayed construction of a gas-fired combined cycle power plant in the United States for a civil litigation matter. The case settled before his report was submitted and he was disclosed and thus remains confidential.
- Mr. Russo is currently acting as an expert in a case related to the solar power industry and the global market for solar panels.

#### **Additional Professional Training**

- New York ISO Market Operations Course
- New York ISO DSS Market Participants Course
- California ISO Market Participants Course

## Selected Books

“*Economic Evidence of Market Manipulation*,” chapter in the *Guide to Energy Market Manipulation* with Robin Cohen, David Hunger and Brian Rivard. Published by Global Competition Review, March 2018

“*Data Collection*,” chapter in *Integrated Assessment of Sustainable Energy Systems in China: The China Energy Technology Program*. Baldur Eliasson. Kluwer Academic Publishers, 2003.

## Citizenship and Languages

Mr. Russo is a dual citizen of the United States and Italy.

- English (native)
- Italian (proficient)
- German and French (basic)

**JENNIFER TIDMARSH****President, Transmission - Canada****NextEra Energy Transmission**

Jennifer Tidmarsh is the President, Transmission - Canada for NextEra Energy Transmission. Jennifer also works as the Project Director of NextBridge Infrastructure – a partnership between affiliates of NextEra Energy Canada, Enbridge and Borealis Infrastructure. NextBridge was established to participate in the Ontario transmission market and has been chosen by the Ontario Energy Board to develop the East West Tie transmission project in Northern Ontario.

Before joining NextEra, Jennifer was the Director of First Nations and Métis Relations at the Ontario Power Authority (OPA) – now the Independent Electricity System Operator. She was responsible for facilitating and integrating all aspects of Aboriginal involvement into the work of the organization. Prior to that position, Jennifer was the Senior Advisor to the CEO and has also been involved designing and managing the Aboriginal Renewable Energy Fund and the Community Energy Partnerships Program for the OPA.

She has also worked in the industrial/commercial sector promoting energy efficient and environmentally sustainable programs. Her work has included a short appointment in Bangladesh working for the Canadian International Development Agency.

**Recent Professional Experience****President, Transmission - Canada, NextEra Energy Transmission**

Toronto, Ontario; 2017 - Present

NextEra Energy Resources

**Director, Indigenous Relations (Canada)**

Toronto, Ontario; 2013 – 2017

NextEra Energy Resources

**Director, First Nation & Métis Relations**

Toronto, Ontario; 2006 - 2013

Ontario Power Authority (now the Independent Electricity System Operator)

**Education****University of Guelph**

Guelph, Ontario; 1996-2000

Bachelor of Science, Environment

Becky H. Walding, Board of Directors	
Biography	
<p>Ms. Walding is Senior Director, Business Management at NextEra Energy Transmission, LLC (NEET) where she is responsible for finance, accounting and regulatory management. Formerly employed with the Southern Company, Ms. Walding has over 20 years of broad experience in the electricity industry spanning finance, regulatory, transmission, system planning and commercial domains.</p>	
Professional Experience	
<p><b>NextEra Energy – Juno Beach, FL</b></p> <p><b>Senior Director, Business Management</b></p>	<ul style="list-style-type: none"> <li>Responsible for leading a team to manage the finance, accounting and regulatory areas for NextEra Energy Transmission across the US and Canada.</li> </ul>
<p><b>Southern Company – Birmingham, AL</b></p> <p><b>Director, Transmission &amp; Market Policy</b></p>	<ul style="list-style-type: none"> <li>Responsible for transmission interconnection for development projects and transmission operations for 13 GW of competitive generation across US power markets. Board member on partnerships with First Solar and Recurrent Energy.</li> </ul>
<p><b>Southern Company – Birmingham, AL</b></p> <p><b>Director, Commercial Optimization &amp; Trading</b></p>	<ul style="list-style-type: none"> <li>Responsible for all profit and loss activities for Southern Company’s competitive business which includes natural gas, wind, solar and biomass and \$2B in annual revenues. Responsible for optimizing the fleet of generation resources across all US power markets.</li> </ul>
<p><b>Southern Company – Birmingham, AL</b></p> <p><b>Manager, Transmission Planning</b></p>	<ul style="list-style-type: none"> <li>Responsible for all transmission planning activities for Alabama Power, Gulf Power and Mississippi Power.</li> </ul>
<p><b>Southern Company – Birmingham, AL</b></p> <p><b>Manager, Portfolio Management</b></p>	<ul style="list-style-type: none"> <li>Responsible for back office operations for Southern Companies’ pool and trading operations. Had key regulatory responsibilities on multiple FERC 206 proceedings and state regulatory commission hearings and fuel clause investigations.</li> </ul>
<p><b>Southern Company – Birmingham, AL</b></p> <p><b>Assistant to CFO</b></p>	<ul style="list-style-type: none"> <li>Part of team that formed Southern Power Company including developing financial planning goals and processes, achieving external financing, standing up accounting and regulatory reporting and Sarbanes-Oxley controls</li> </ul>
Education and Credentials	
<ul style="list-style-type: none"> <li>B.S., Chemical Engineering, Auburn University, Auburn, AL</li> </ul>	

CURRICULUM VITAE OF  
ERIN WHILLANS

**Experience:**

**Lands & Right of Way Specialist,**  
LP CAN Land Services, Projects  
Enbridge Employee Services Canada

March 2018 - Present

- Responsible for managing the execution of land scope of work on large scale energy projects including: working with different project teams, regulatory bodies, regions, and different project scopes.
- Responsible for ensuring the timely coordination, management and execution of goals and deliverables.
- Accountable for providing inputs to project teams regarding risk, costs, schedule, ensuring land deliverables and project milestones are achieved.
- Managing the acquisition of all land rights required for the project, including Right of way, temporary workspace, leases, stockyards, as well as third party agreements (proximity, encroachments, temporary workspace, crossings, road haul) in Alberta and Ontario.
- Preparing and managing land budgets, schedules, and risks along with additional compliance components.
- Directing contracted acquisition teams, market appraisers, land consultants, GIS mapping experts, and permitting teams.
- Supervision of internal and external land resources to ensure deliverables are completed on time and within the approved budget. This currently includes one external land consultant, with approximately 30 staff working on different projects.
- Providing input and support to numerous internal stakeholder departments for various programs such as Engineering (eg. Geotechnical investigations, Horizontal Directional Drilling, consultation), Environment (eg. Weed & Clubroot Management, Post Construction Monitoring Surveys, Water Well Programs), Stakeholder Relations (eg. Supporting the development of materials for land stakeholder consultation and notification programs).
- Ensuring compliance for land items during pre-construction field activities, construction, and reclamation stages of projects.

**Lands & Right of Way Advisor,**  
LP CAN Land Services, Projects  
Enbridge Employee Services Canada

November 2014 – March 2018

- Responsible for managing the execution of land scope of work on large and small scale energy projects including: working with different project teams, regulatory bodies, regions, and different project scopes.
- Responsible for ensuring the timely coordination, management and execution of goals and deliverables.
- Accountable for providing inputs to project teams regarding risk, costs, schedule, ensuring land deliverables and project milestones are achieved.
- Management of the acquisition of all land rights required for multiple energy projects, including Right of way, temporary workspace, leases, stockyards, as well as third party agreements (proximity, encroachments, temporary workspace, crossings, road haul) in Alberta and Ontario.
- Prepared and managed land budgets, schedules, and risks along with additional compliance components.
- Directed contracted acquisition teams, market appraisers, land consultants, GIS mapping experts, and permitting teams.
- Supervision of internal and external land resources to ensure deliverables are completed on time and within the approved budget. This included two external land consultants, with approximately 20 staff working on different projects.
- Providing input and support to numerous internal stakeholder departments for various programs such as Engineering (eg. Geotechnical investigations, Horizontal Directional Drilling, consultation), Environment (eg. Weed & Clubroot Management, Post Construction Monitoring Surveys, Water Well Programs), Stakeholder Relations (eg. Supporting the development of materials for land stakeholder consultation and notification programs).
- Ensure compliance for land items during pre-construction field activities, construction, and reclamation stages of projects.

**Jr Land Administrator,**  
LP CAN Land Services, Projects  
Enbridge Inc.

April 2014 – November 2014

- Attendance at Surface Rights Board Compensation Hearing and Mediation to observe the process.
- Preparation of weekly land status reporting for multiple energy projects in Alberta.
- Coordinated with multiple project teams and external land consultants to create Master Tracking Lists and Project Line Lists.

- Daily liaison with external land consultants, project team members, and various stakeholders
- Daily reporting to the internal Enbridge Senior Land & Right of Way Specialist
- Completed work orders, fund requests and related administrative requests for various projects.
- Provided assistance in expedition of third party approval issuance required for various energy projects.
- Maintained Excel Spreadsheet documents for Landowner Compensation on various projects
- Provided project team members with various information requests related to Land Services.

**Project Experience:**

Line 10 Westover Segment Replacement Project, Hamilton, Ontario Enbridge Pipelines Inc.	March 2017 - present
Edmonton to Hardisty Pipeline Project, Alberta Enbridge Pipelines Inc.	April 2014 – August 2017
Regina Bypass Project, Regina, Saskatchewan Enbridge Pipelines Inc.	August 2015 – June 2017
South Edmonton Terminal Expansion Project, Edmonton, Alberta Enbridge Pipelines Inc.	April 2014 – November 2016

**Education:**

<b>Bachelor of Arts:</b> Sociology Major MacEwan University	2014
Land Agent Licensing Course Olds College	2014

**Professional Affiliations:**

Member, International Right of Way Association, Chapter 62  
Interim Land Agent, Alberta Land Agent Licensing Registrar

**Appearances:**

Provincial Court of Alberta, Witness Enbridge Pipelines	February 2018
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