

**Hydro One Networks Inc.**

7<sup>th</sup> Floor, South Tower  
483 Bay Street  
Toronto, Ontario M5G 2P5  
www.HydroOne.com

Tel: (416) 345-5680  
Cell: (416) 568-5534  
frank.dandrea@HydroOne.com



**Frank D'Andrea**

Vice President, Regulatory Affairs & Chief Risk Officer

BY COURIER

October 21, 2019

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

Dear Ms. Walli,

**EB-2019-0082 - Hydro One Networks' 2020-2022 Transmission Rates Application – CVs**

Please see attached Hydro One's CVs for the following witnesses:

- Andrew Spencer
- Bijan Alagheband
- Bruno Jesus
- Clement Li
- Derek Chum
- Donna Jablonsky
- Godfrey Holder
- Henry Andre
- Iain Morris
- Joel Jodoin
- Lincoln Frost-Hunt
- Mark Brodie
- Nancy Tran
- Robert Berardi
- Sabrin Lila
- Samir Chhelavda
- Stephen Vetsis
- Steven Fenrick

This filing has been submitted electronically using the OEB's Regulatory Electronic Submission System and two (2) copies will be sent via courier.



Sincerely,

ORIGINAL SIGNED BY KATHLEEN BURKE ON BEHALF OF FRANK D'ANDREA

Frank D'Andrea

# CURRICULUM VITAE OF ANDREW SPENCER

## EDUCATION:

**Queen's University**  
Kingston, Ontario, (2002)  
B.Sc., Applied Science (Electrical Engineering)

## INDUSTRY EXPERIENCE:

<b>2002 - Present:</b>	<b>Hydro One Networks Inc.</b>
2017-Present	Vice President, Transmission & Stations
2017-2017	Vice President, Engineering
2014-2017	Director, Engineering Services
2011-2014	Sr. Manager, Stations Sustainment Investment Planning
2009-2011	Manager, Investment Integration & Maintenance Planning
2006-2009	Manager, Maintenance Technical Services
2002-2006	Maintenance Engineer/Specialist, Maintenance Technical Services

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

<b>EB-2019-0082:</b>	<b>Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application</b>
<b>EB-2010-0002:</b>	<b>Hydro One Networks Inc. 2011&amp;2012 Electricity Transmission Revenue Requirement Application</b>
<b>EB-2012-0031:</b>	<b>Hydro One Networks Inc. 2013&amp;2014 Electricity Transmission Revenue Requirement Application</b>
<b>EB-2014-0140:</b>	<b>Hydro One Networks Inc. 2015&amp;2016 Electricity Transmission Revenue Requirement Application</b>
<b>EB-2017-0364:</b>	<b>Hydro One Networks Inc. Lake Superior Link Leave to Construct Application</b>

# CURRICULUM VITAE OF BIJAN ALAGHEBAND

## EDUCATION:

### **CFA Institute**

Charlottesville, Virginia (2001)  
Chartered Financial Analyst designation

### **McGill University**

Montreal, Quebec (1988)  
Ph.D. in Economics, with specialization in Economics, Econometrics, and Economic Development

### **McGill University**

Montreal, Quebec (1981)  
Master of Arts in Economics, major field Econometrics, minor field Economic Development

### **Tehran University**

Tehran, Markazi (1975)  
Bachelor of Arts in Economics

## INDUSTRY EXPERIENCE:

### **1999 – Present: Hydro One Networks Inc. / Ontario Hydro Services Company**

2016-Present      Manager, Economics & Load Forecasting  
2015-2016        Acting Manager, Economics & Load Forecasting  
2005-2014        Senior Advisor, Load Forecasts  
1999-2005        Strategic Planner, Load Forecasts

### **1989 – 1999: Ontario Hydro**

Energy Economist, Economics & Forecasts Division

### **2010 – Present: McMaster University**

2014-Present      Lecturer, Master of Finance program  
2010-2014, 2017    Lecturer, MBA program

### **1984 – 1988: McGill University**

Consultant for applied econometric analysis and computer programming

**APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

- EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**
- EB-2016-0160: Hydro One Networks Inc. 2017-2018 Electricity Transmission Revenue Requirement & Charge Determinants Application**
- EB-2017-0049: Hydro One Networks Inc. 2018-2022 Electricity Distribution Revenue Requirement & Rate Application**

## **CURRICULUM VITAE OF BRUNO JESUS**

### **EDUCATION:**

#### **University of Toronto**

Toronto, Ontario (1987)

Bachelor of Applied Science, Electrical Engineering

### **INDUSTRY EXPERIENCE:**

#### **1987 – Present: Hydro One Networks Inc./ Ontario Hydro Networks Company Inc. / Ontario Hydro**

2019-Present	Vice President, Planning & Engineering (A)
2017-2019	Director, Strategy & Integrated Planning
2014-2016	Manager, Transmission Capital Investment Planning
2012-2014	Project Director, Asset Analytics
2008-2012	Manager, Asset Strategies & Standards
1999-2008	Senior Advisor, Network Strategies
1997-1999	Senior Advisor, OPEX 2000
1987-1997	Section Head - East, System Development

### **APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2017-0049: Hydro One Networks Inc. 2018-2022 Distribution Rate Application – Technical Conference**

# CURRICULUM VITAE OF CLEMENT LI

## EDUCATION:

### **Technical University of Nova Scotia**

Halifax, Nova Scotia (1991)

Master of Applied Science (Mechanical Engineering)

### **Technical University of Nova Scotia**

Halifax, Nova Scotia (1988)

Bachelor of Applied Science (Mechanical Engineering)

## INDUSTRY EXPERIENCE:

### **1999 – Present: Hydro One Networks Inc. / Ontario Hydro Services Company**

2016-present	Manager, Transmission & Distribution Pricing
2015-2016	Manager, Business Development & Support
2010-2015	Senior Regulatory Advisor
2008-2010	Manager, Business & Regulatory Support
2006-2008	Senior Advisor, Billing & Settlement
1999-2006	Senior Advisor, Load Forecast & Management

### **1992 – 1999: Ontario Hydro**

Analyst/Senior Analyst/Advisor, Load Forecast, Load Analysis,  
Conservation & Demand Management

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082: Hydro One Networks 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2017-0049: Hydro One Networks 2018–2022 Distribution Rates Application**

## **CURRICULUM VITAE OF DEREK CHUM**

### **EDUCATION:**

**University of Toronto, Law School**

Toronto, ON (2000)

LL.B

**University of Toronto**

Toronto, ON (1997)

Honours Bachelor of Arts in Political Science

### **INDUSTRY EXPERIENCE:**

**2017 – Present:     Hydro One Networks Inc.**

Vice President, Indigenous Relations

**2010 - 2017         Amisk Kodim Corporation**

Director, President and Chief Executive Officer

**2007 - 2010         Olthuis Kleer Townshend LLP**

Partner - Corporate/Commercial

### **APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

**EB-2019-0082:       Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**



# CURRICULUM VITAE OF DONNA K.S. JABLONSKY P.ENG

## EDUCATION:

### University

Ryerson Polytechnic University

Toronto, Ontario (1993)

Bachelor of Electrical Engineering

Major: Power Systems

## INDUSTRY EXPERIENCE:

### 1999 – Present:

### Hydro One Networks Inc. / Ontario Hydro

August 2018 – Present

Director, Transmission Asset Management

April 2015 – August 2018

Senior Manager, Transmission Stations Engineering

July 2012 – July 2014

Senior Manager, Power Equipment and Stations Engineering

Sept 2007 - July 2012

Senior Manager of Conceptual & Equipment Engineering

August 31, 1999 – 2007

Equipment Engineer Specialist

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

### EB-2019-0082:

**Hydro One Networks Inc. 2020-2022 Transmission Rates  
Revenue Requirement Application**

# CURRICULUM VITAE OF GODFREY HOLDER

## EDUCATION:

### University

University of Guyana, Georgetown (1996)  
B.Sc. Economics

## INDUSTRY EXPERIENCE:

### **2010 – Present: Hydro One Networks Inc.**

2010- 2013      Grid Operations Manager (DOMC)  
2014 -2016      Grid Operations Manager (Business Strategy and Planning)  
2016- 2017      Senior Manager (Business Strategy and Project Delivery)  
2017- Present    Director System Operations Support

### **2005 - 2010: Rowan Williams Davies Irwin (RWDI)**

2005 - 2006      Project Coordinator (Micro Climate)  
2007 - 2010      Project Manager

### **1987 - 2004: Guyana Power & Light**

1987 - 1989      Operator System Control  
1990 - 1992      Assistant Shift Manger  
1993 - 1996      Shift Control Manger  
1997 - 1998      System Operations and Planning Manger  
1999 - 2002      Senior Manger System Control  
2003 - 2004      Regional Manger

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Electricity Transmission Revenue Requirement Application**

# CURRICULUM VITAE OF HENRY ANDRE

## EDUCATION:

### University of Toronto

Toronto, Ontario (1987)

Master of Applied Science

### University of Toronto

Toronto, Ontario (1985)

Bachelor of Applied Science

## PROFESSIONAL QUALIFICATION(S):

*Professional Engineers Ontario (1988)*

## INDUSTRY EXPERIENCE:

### **April 1999 – Present: Hydro One Networks Inc. / Ontario Hydro Services Company**

2016-present	Director, Pricing and Load Forecasting, Regulatory Affairs, Corporate Finance
2010-2016	Manager, Transmission & Distribution Pricing, Regulatory Affairs, Corporate & Regulatory Affairs
2008-2010	Manager, Rate Applications, Regulatory Affairs, Corporate & Regulatory Affairs
2006-2008	Manager, Transmission Rates, Regulatory Affairs, Corporate & Regulatory Affairs
2004-2006	Senior Engineer, System Investment, Asset Management
2001-2004	Senior Advisor, Business Integration, Asset Management
1998-2000	Senior Analyst, Performance Division, Regulatory and Governmental Affairs

### **1986 – April 1999: Ontario Hydro**

1998-2000	Senior Analyst, Performance Division, Regulatory and Governmental Affairs
1995-1998	Engineer, Strategy and Regulatory Affairs, GRID System
1992-1995	Project Engineer, Transmission Projects, Engineering & Construction
1988-1991	Assistant Project Engineer, Transmission Lines Programs, Engineering & Construction
1986-1987	Research Engineer, Research Division

**APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2006-0501: Hydro One Networks Inc. 2007-2008 Electricity Transmission Revenue Requirement Application**

**EB-2010-0002: Hydro One Networks 2011–2012 Electricity Transmission Revenue Requirement Application**

**EB-2013-0416: Hydro One Networks 2015–2019 Distribution Rates Application**

**EB-2016-0160: Hydro One Networks 2017-2018 Transmission Application**

**EB-2017-0049: Hydro One Networks 2018–2022 Distribution Rates Application**

## BIOGRAPHY

### IAIN MORRIS

- **ABOUT**

- Iain is a Senior Consultant and business leader in Mercer's Career Business in Toronto. He advises large and complex organizations on the development and implementation of total rewards and EVP strategies and programs

- **EXPERIENCE/CLIENTS**

- Iain's primary areas of expertise include incentive plan design, global job levelling and EVP consulting. He also has substantial experience in rewards compliance and complex cost analyses and benchmarking to support business decision making
- Iain has worked with organizations across most industry sectors including: energy, development, financial services, high tech manufacturing, and professional services
- Iain has more than 35 years of rewards consulting experience with global consulting firms

- **EDUCATION**

- Iain is a graduate of Queen's University. He is frequently quoted in industry and business publications on total rewards and other human resource issues

# CURRICULUM VITAE OF JOEL JODOIN

## EDUCATION:

### **Chartered Professional Accountant**

Toronto, ON (2012)

CPA, CMA

### **Brock University**

St. Catharines, ON (2008)

Bachelor of Business Administration, concentration in Finance

## INDUSTRY EXPERIENCE:

### **2009-Present      Hydro One Networks Inc.**

2018-Present      Director, Strategic Finance

2016-2018      Senior Financial Advisor, Business Planning

2014-2016      Senior Financial Analyst, Business Planning

2013-2014      Senior Financial Advisor, Decision Support

2009-2013      Accounting & Financial Analyst, Business Planning

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082:      Hydro One Networks Inc. 2020-2022 Transmission Rate Application:  
Technical Conference**

**EB-2017-0049:      Hydro One Networks Inc. 2018-2022 Distribution Rate Application:  
Technical Conference &  
Oral Hearings**

**EB-2016-0160:      Hydro One Networks Inc. 2017-2018 Transmission Rate Application:  
Technical Conference &  
Oral Hearings**

# CURRICULUM VITAE OF LINCOLN FROST-HUNT

## EDUCATION:

**University of Western Ontario**  
London, Ontario (2000)  
B.Sc. Environmental Science

## INDUSTRY EXPERIENCE:

**2009 – Present: Hydro One Networks Inc.**

2019-Present	Acting VP IT Operations
2014-2018	Director – Enterprise IT
2012-2014	Director – Business Architecture
2010-2012	Senior Manager – Business Architecture
2009-2010	Manager – Enterprise Architecture

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2017-0049: Hydro One Networks Inc. 2018-2022 Electricity Distribution Revenue Requirement & Rate Application**

# CURRICULUM VITAE OF MARK BRODIE

## EDUCATION:

### **University of Waterloo**

Waterloo, ON (2008)

Bachelor of Applied Science, Electrical Engineering, Option in Management Sciences

## PROFESSIONAL REGISTRATION:

### **Professional Engineer**

Toronto, ON (2012)

Professional Engineers Ontario

## INDUSTRY EXPERIENCE:

### **2008 – Present: Hydro One Networks Inc.**

2018-Present	Manager, Transmission Planning, Transmission System Planning
2018-2018	Manager, Station Capital Planning, Transmission Asset Management (A)
2017-2018	Sustainment Manager, Transmission Asset Management (A)
2014-2017	Sr. Network Management Engineer, Transmission Asset Management
2010-2013	Network Management Engineer, Asset Management
2008-2010	Assistant Network Management Engineer, Asset Management

### **2013 – 2014: Government of Ontario, Ministry of Energy**

2013-2014	Policy Advisor, Transmission Policy Unit (Secondment)
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## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

<b>EB-2019-0082:</b>	<b>Hydro One Networks Inc. 2020-2022 Transmission Rate Application - Technical Conference</b>
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# CURRICULUM VITAE OF NANCY TRAN

## EDUCATION:

### **CPA Association**

Toronto, ON (1994)

Chartered Professional Accountant, Chartered Accountant, CPA, CA

### **University of Waterloo**

Waterloo, ON (1993)

Master of Accounting

### **University of Waterloo**

Waterloo, ON (1992)

Honours Bachelor of Arts in Accounting

## INDUSTRY EXPERIENCE:

**2017 – Present:            Hydro One Networks Inc. / Ontario Hydro**

2017-Present

Vice President, Corporate Tax

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082:            Hydro One Networks Inc. 2020-2020 Electricity Transmission  
Revenue Requirement Application**

## **CURRICULUM VITAE OF ROBERT BERARDI**

### **EDUCATION:**

#### **CPA Association**

Toronto, ON (2004)

Chartered Professional Accountant, Certified Management Accountant, CPA, CMA

#### **York University**

Toronto, ON (1989)

Bachelor of Arts in Political Science

### **INDUSTRY EXPERIENCE:**

#### **1989 - Present: Hydro One Networks Inc. / Ontario Hydro**

2017-Present	Vice President, Shared Services
2014-2017	Director, Supply Chain
2009-2013	Director, Management Accounting & Reporting
2008-2009	Finance Lead for Enterprise ERP Project/Sr. Manager, Cost Accounting
2005-2007	Manager/Financial Advisor
2002-2005	Senior Controllership Advisor
2000-2002	Senior Accounting & Financial Analyst
1989-2000	Analyst & Clerical

### **APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2013-0416: Hydro One Networks Inc. 2015-2019 Distribution Rate Application**

**EB-2017-0049: Hydro One Networks Inc. 2018-2022 Distribution Rate Application**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Technical Conference**

# CURRICULUM VITAE OF SABRIN LILA

## EDUCATION:

### **University of Toronto**

Toronto, ON (2011)

Masters in Industrial Relations and Human Resources

### **Wilfrid Laurier University**

Toronto, ON (2006)

Honours Bachelor of Arts in Political Science

## INDUSTRY EXPERIENCE:

### **2009 – Present: Hydro One Networks Inc.**

2017-Present

Director, Compensation & HR Analytics

2016-2017

Manager, Compensation & HR Systems

2014-2016

Manager, Talent Management

2009-2014

Human Resources Business Partner

### **2008 – 2009: VHA Home Healthcare**

2008-2009

Human Resources Analyst

### **2006 – 2008: VHA Home Healthcare**

2006-2008

Human Resources Administrator

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

# CURRICULUM VITAE OF SAMIR CHELAVDA

## EDUCATION:

**McGill University**  
Montreal, QC (1997)  
Graduate Diploma in Public Accountancy

**McGill University**  
Montreal, QC (1995)  
Bachelor of Commerce – Accounting

## PROFESSIONAL QUALIFICATION(S):

*Institute of Internal Auditors* (2011)  
Certification in Risk Management Assurance

*Institute of Internal Auditors* (2006)  
Certified Internal Auditor Certification

*Canadian Institute of Chartered Professional Accountants* (2000)  
Chartered Professional Accountant

## INDUSTRY EXPERIENCE

**2014 – Present:** **Hydro One Networks Inc.**  
Director, Corporate Accounting and Reporting

**2005 - 2014:** **Enbridge Gas Distribution Inc.**  
2012-2014 Assistant Controller  
2011-2012 Senior Manager, Strategy Execution and Performance Management  
2010-2011 Chief Auditor  
2005-2010 Manager, Audit Services

**2003 - 2005:** **Duffy, Allain & Rutten, LLP**  
Senior Audit Manager

**2002 - 2003:** **AXA Canada Inc.**  
Senior Financial Analyst

**INDUSTRY EXPERIENCE: – Cont.**

**1999-2002: Ernst & Young LLP**  
2001-2002 Audit Manager  
1999-2001 Senior Staff Accountant

**1997-1999: Schwartz, Levitsky, Feldman LLP**  
Staff Accountant

**APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB- 2012-0459: Enbridge Gas Distribution Inc. 2014-2018 Rate Application**

**EB- 2014-0140: Hydro One Networks Inc. 2015-2017 Distribution Rate Application – Oral Hearings**

**EB- 2015-0040: Consultation on the Regulatory Treatment of Pension and Other Post-Employment Benefit Costs**

**EB-2016-0160: Hydro One Networks Inc. 2017-2018 Transmission Rate Application – Oral Hearings**

**EB-2017-0049: Hydro One Networks Inc. 2018-2022 Distribution Rate Application – Technical Conference**

**EB-2017-0049: Hydro One Networks Inc. 2018-2022 Distribution Rate Application – Oral Hearings**

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rate Application - Technical Conference**

# CURRICULUM VITAE OF STEPHEN VETSIS

## EDUCATION:

**McMaster University**  
Hamilton, ON (2009)  
Master of Applied Science

**McMaster University**  
Hamilton, ON (2006)  
Bachelor of Electrical Engineering and Management

## INDUSTRY EXPERIENCE:

### **2017 – Present: Hydro One Networks Inc.**

2019-Present Sr. Regulatory Advisor, Pricing and Load Forecasting, Regulatory Affairs

2017-2019 Sr. Regulatory Advisor, Major Applications, Regulatory Affairs

### **2010 – 2016: Ontario Energy Board**

2014-2016 Advisor, Electricity Rates and Prices, Applications

2011-2014 Analyst, Electricity Rates and Prices, Applications

2010-2011 Analyst, Regulatory Policy

## APPEARANCE(S) BEFORE THE ONTARIO ENERGY BOARD:

**EB-2019-0082: Hydro One Networks Inc. 2020-2022 Transmission Rates Revenue Requirement Application**

**EB-2018-0218: Hydro One Sault Ste. Marie LP - 2019 Electricity Transmission Revenue Requirement Application**



## STEVEN A. FENRICK, Principal

### SUMMARY OF EXPERIENCE AND EXPERTISE

- I have directed project teams and engaged in research in the fields of performance based regulation, performance benchmarking, DSM, load research and forecasting, and survey design and implementation
- I have been an expert witness in a number of cases involving performance-based ratemaking and incentive regulation and peak time rebates.

### PROFESSIONAL EXPERIENCE

#### **Clearspring Energy Advisors, LLC (2019 to Present)**

##### **Principal Consultant**

Responsible for providing consulting services and expert witness testimony to utilities and regulators in the areas of reliability and cost benchmarking, productivity studies and other empirical aspects of performance-based ratemaking and incentive regulation. Direct activities in the areas of demand-side management programs, peak time rebate programs, load forecasting, and market research.

#### **Power System Engineering, Inc.– Madison, WI (2009 to 2018)**

##### **Director of Economics**

Responsible for providing consulting services to utilities and regulators in the areas of reliability and cost benchmarking, incentive regulation, value-based reliability planning, demand-side management including demand response and energy efficiency, ran peak time rebate programs, load research, load forecasting, end-use surveys, and market research.

#### **Pacific Economics Group – Madison, WI (2001 - 2009)**

##### **Senior Economist**

Co-authored research reports submitted as testimony in numerous proceedings in several states and in international jurisdictions. Research topics included statistical benchmarking, alternative regulation, and revenue decoupling. Managed and supervised PEG support staff in research and marketing efforts.

### EDUCATION

University of Wisconsin - Madison, WI

Bachelor of Science, Economics (Mathematical Emphasis)

University of Wisconsin - Madison, WI

Master of Science, Agriculture and Applied Economics

### Publications & Papers

- “Peak-Time Rebate Programs: A Success Story”, *TechSurveillance*, July 2014 (with David Williams and Chris Ivanov).

- “Demand Impact of a Critical Peak Pricing Program: Opt-In and Opt-Out Options, Green Attitudes and other Customer Characteristics”, *The Energy Journal*, January 2014. (With Lullit Getachew, Chris Ivanov, and Jeff Smith).
- “Evaluating the Cost of Reliability Improvement Programs”, *The Electricity Journal*, November 2013. (With Lullit Getachew)
- “Expected Useful Life of Energy Efficiency Improvements”, Cooperative Research Network, 2013 (with David Williams).
- “Cost and Reliability Comparisons of Underground and Overhead Power Lines”, *Utilities Policy*, March 2012. (With Lullit Getachew).
- “Formulating Appropriate Electric Reliability Targets and Performance Evaluations”, *Electricity Journal*, March 2012. (With Lullit Getachew)
- “Enabling Technologies and Energy Savings: The Case of EnergyWise Smart Meter Pilot of Connexus Energy”, *Utilities Policy*, November 2012. (With Chris Ivanov, Lullit Getachew, and Bethany Vittetoe)
- “The Value of Improving Load Factors through Demand-Side Management Programs”, Cooperative Research Network, 2012 (with David Williams and Chris Ivanov).
- “Estimation of the Effects of Price and Billing Frequency on Household Water Demand Using a Panel of Wisconsin Municipalities”, *Applied Economics Letters*, 2012, 19:14, 1373-1380.
- “Altreg Rate Designs Address Declining Average Gas Use”, *Natural Gas & Electricity*. April 2008. (With Mark Lowry, Lullit Getachew, and David Hovde).
- “Regulation of Gas Distributors with Declining Use per Customer”, *Dialogue*. August 2006. (With Mark Lowry and Lullit Getachew).
- “Balancing Reliability with Investment Costs: Assessing the Costs and Benefits of Reliability-Driven Power Transmission Projects.” April 2011. *RE Magazine*.
- “Ex-Post Cost, Productivity, and Reliability Performance Assessment Techniques for Power Distribution Utilities”. Master’s Thesis.
- “Demand Response: How Much Value is Really There?” *PSE whitepaper*.
- “How is My Utility Performing” *PSE whitepaper*.
- “Improving the Performance of Power Distributors by Statistical Performance Benchmarking” *PSE whitepaper*.
- “Peak Time Rebate Programs: Reducing Costs While Engaging Customers” *PSE whitepaper*.
- “Performance Based Regulation for Electric and Gas Distributors” *PSE whitepaper*.
- “Revenue Decoupling: Designing a Fair Revenue Adjustment Mechanism” *PSE whitepaper*.



## **Expert Witness Experience**

- Docket EB-2019-0082, Hydro One Networks Transmission, TFP and Econometric Benchmarking research.
- Docket EB-2018-0165, Toronto Hydro Electric System Limited, Econometric Benchmarking research.
- Docket EB-2018-0218, Hydro One Transmission Sault St. Marie, TFP and Econometric Benchmarking research.
- Docket EB-2017-0049, Hydro One Distribution, TFP and Benchmarking research.
- Docket EB-2015-0004, Hydro Ottawa, Custom Incentive Regulation Application.
- Docket 15-SPEE-357-TAR, Application for Southern Pioneer Electric Cooperative, Inc., Demand Response Peak Time Rebate Pilot Program.
- Docket EB-2014-0116, Toronto Hydro, Custom Incentive Regulation Application.
- Docket EB-2010-0379, The Coalition of Large Distributors in Ontario regarding “Defining & Measuring Performance”.
- Docket No. 6690-CE-198, Wisconsin Public Service Corporation, “Application for Certificate of Authority for System Modernization and Reliability Project”.
- Expert Witness presentation to Connecticut Governors “Two Storm Panel”, 2012.
- Docket No. EB-2012-0064, Toronto Hydro’s Incremental Capital Module (ICM) request for added capital funding.
- Docket No. 09-0306, Central Illinois Light rate case filing.
- Docket No. 09-0307, Central Illinois Public Service Company rate case filing.
- Docket No. 09-0308, Illinois Power rate case filing.

## **Recent Conference Presentations**

- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2019.
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2018.
- Panel Moderator at WPUI conference on cost allocation and innovative rate designs at Madison WI. June 2018.
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2017.
- Wisconsin Manager’s Meeting, “Reliability Target Setting Using Econometric Benchmarking”. November 2016.
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2016.
- Wisconsin Electric Cooperative Association (WECA) Conference, “An Introduction to Peak Time Rebates”. September 2016.
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2015.
- EUCI conference chair, 2015. “Evaluating the Performance of Gas and Electric Distribution Utilities.”
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2014.

- Cooperative Exchange Conference, Williamsburg VA. “Smart Thermostat versus AC Direct Load Control Impacts”. August 2014.
- EUCI conference chair in Chicago. “The Economics of Demand Response”. February 2014.
- Institute of Public Utilities Advanced Rate Conference at Michigan State University, “Performance Benchmarking”. October 2013.
- EUCI conference chair in Chicago. “Evaluating the Performance of Gas and Electric Distribution Utilities.” August 2013.
- Presentation to the Ontario Energy Board, “Research and Recommendations on 4<sup>th</sup> Generation Incentive Regulation”.
- Presentation to the Canadian Electricity Association’s best practice working group. 2013
- Conference chair for EUCI conference in March 2013 titled, “Performance Benchmarking for Electric and Gas Distribution Utilities.”
- Presentation to the board of directors of Great Lakes Energy on benchmarking results, December 2012.
- Presentation on making optimal infrastructure investments and the impact on rates, Electricity Distribution Association, Toronto, Ontario. November 2012.
- Conference chair for EUCI conference in August 2012 titled, “Performance Benchmarking for Electric and Gas Distribution Utilities.”
- 2012 presentation in Springfield, IL to the Midwest Energy Association titled, “Reliability Target Setting and Performance Evaluation”.
- 2012 presentation in Springfield, IL to the Midwest Energy Association titled, “Making the Business Case for Reliability-Driven Investments”.
- Conference chair for EUCI conference in 2012 titled, “Balancing, Measuring, and Improving the Cost and Reliability Performance of Electric Distribution Utilities”. St. Louis.
- Conference chair for EUCI conference in 2012 titled, “Demand Response: The Economic and Technology Considerations from Pilot to Deployment”. St. Louis.
- 2012 Presentation in the Missouri PSC Smart Grid conference entitled, “Maximizing the Value of DSM Deployments”. Jefferson City.
- 2011 conference chair on a nationwide benchmarking conference for rural electrical cooperatives. Madison.
- 2011 presentation on optimizing demand response program at the CRN Summit. Cleveland.
- Conference chair for EUCI conference in 2011 titled, “Balancing, Measuring, and Improving the Cost and Reliability Performance of Electric Distribution Utilities”. Denver.
- 2010 presentation on cost benchmarking techniques for REMC. Wisconsin Dells.