

Summary of Qualifications

Yury Tsimberg is a senior engineer and manager with over 35 years of experience in both consulting and utility businesses gained throughout his career with Kinectrics Inc and Hydro One / Ontario Hydro.

Tsimberg is currently a Director of Asset Management with Kinectrics Inc. where he is heading Asset Management Line of Business. His responsibilities include business development, leading client projects and refining existing Asset Management tools and methodologies. He is a recognized expert in all aspects of Asset Management, both equipment-focused involving assessing condition of equipment, and strategy-focused involving providing guidance to utilities' senior executives on corporate level Asset Management issues, such as investments prioritization, long-term capital planning, and providing support and advice in dealing with regulatory bodies. He successfully completed Asset Management projects for numerous clients, including several major utilities across United States and Canada, and taught Asset Management courses all over the world. Tsimberg is a frequent speaker and presenter at various industry forums, such as IEEE, CIGRE, CEATI and EUCL.

At Ontario Hydro/Hydro One Tsimberg worked in various areas of transmission and distribution utility business, including lines maintenance, power system operation, Bulk and Local System Planning, Mergers & Acquisition, and Regulatory. In his last position at Hydro One Tsimberg managed a large department responsible for development and implementation of Hydro One's Asset Management strategies and methodologies, developing new standards and policies, leading public consultation processes associated with major projects, and negotiating with the First Nations.

Tsimberg was a member of the international advisory panel revising Asset Management PAS 55 specifications developed by the British Institute of Asset Management and a member of the NERC committee developing North American planning standards. At the present time Tsimberg is the Canadian representative on CIGRE Study Committee SC1 "System Development and Economics" and a member of the Committee's management team as Asset Management Group Convener.

Tsimberg is also an effective negotiator with extensive industry contacts with utilities, other power industry consultants and IT companies in North America, Europe and Middle East.

Expertise

Asset Management:

- End-of-life (EOL) and Economic End-of-life (EEOL) estimation of investments timing for various asset classes using total life cycle cost approach
- Condition and risk assessment of power systems assets
- Long-term capital planning
- Investment prioritization, i.e. optimizing ratios of sustainment investment vs. resultant risk for different classes of assets across

the whole OM&A and CAPEX investment portfolios

- Evaluating cost vs. benefit to ratepayers using Customer Interruption Cost (CIC) approach
- Developing Asset Management Plan (AMP) that integrates asset specific strategies with business programs based on the Corporate Business Values and actual asset needs
- Assessing effectiveness of investments made using Performance Metrics

Mergers and Acquisitions

- Due diligence assessment of prospective acquisitions
- Post-acquisition integration of newly-acquired assets
- Assessment of actual vs. projected savings

Reliability Compliance:

- Assessing compliance with North American reliability standards
- Preparing for the reliability compliance audit
- Advising on interpretation of reliability standards

Project Approvals

- Positioning and Preparing Regulatory applications for specific projects
- Public consultations process and negotiating with the First Nations

Education

M. Eng. Electrical Engineering, University of Toronto, 1987.
B.A. Sc. Electrical engineering, University of Toronto, 1978.

Professional Affiliations

Member, Professional Engineers of Ontario, 1980.

Former Member, AFTSDT (Assess Future Transmission System Needs SAR Team and Standard Drafting Teams), NERC

Member, CIGRE Working Group C1.25 "Risk Management and Information Processes for Asset Management in Electricity Transmission Companies for current and future power systems".

Canadian Representative, CIGRE Study Committee SC1 "System Development and Economics".

Details of Expertise 2008 – Present. Kinectrics Inc. Director - Asset Management

Responsible for:

Integrating knowledge and expertise of staff across various departments to develop new, and refine existing Asset Management methodologies and approaches.

Business development related to all aspects of Asset Management and exploring business opportunities in the areas related to Asset Management, such as technical issues associated with DG integration, M&A, Reliability compliance and supporting Regulatory applications.

Leading Asset Management projects such as Asset Condition Assessments, Risk Assessments and development of Asset Management Plans and Distribution System Plans, for electrical utilities across North America.

Assessing Distribution System Plans produced by distribution utilities on behalf of the Regulator to ensure that these plans are compliant with the prescribed requirements and provide sound justification for the investment sought.

1978-2008. Hydro One (Ontario Hydro)

Manager, Asset Strategies & Standards (2004-2008)

Responsible for:

Managing department accountable for developing asset specific strategies, standards and policies.

Creating new and refining existing customized applications to enable utilization of “state-of-the-art” Asset Management techniques.

Establishing corporate strategy regarding reliability compliance developments across North America and within Ontario, including participation on various North American reliability Committees and Working Groups.

Leading cross-functional teams responsible for securing the required approvals for building new transmission facilities, including negotiations with the First Nations and other stakeholders, and leading public consultation process for major planned projects.

Prioritizing and selecting projects to be included in the corporate R&D portfolio.

Manager – Regulatory Support (2002-2004)

Responsible for:

Managing a cross-functional team charged with preparing Cost-of-Service component of Hydro One’s Rate Application, including:

Preparing direct evidence exhibits explaining and justifying revenue

requirements for individual programs associated with various asset classes.

Co-ordinating input from other groups within the Corporation participating in Rate Application filing to ensure consistency of materials submitted and intended overall themes / messages.

Managing external consultants delivering third party assessments and supporting studies.

Manager – M&A Integration Planning (1999-2002)

Responsible for:

Managing department accountable for all aspects of due diligence and integration phases of distribution utilities acquisition program that resulted in Hydro One successfully acquiring 86 distribution utilities. This included:

Developing due diligence process for physical evaluation of assets and determining potential synergies and liabilities.

Developing and implementing a process for integrating newly acquired utilities into Hydro One's system, including integration of employees, operations and assets.

Senior Policy Advisor (1997-1999)

Responsible for:

Creating and refining policies and strategies for transmission component of Asset Management business, including:

Assessing impacts of regulatory proposals and models from the Asset Manager's perspective, and developing company's position on various emerging issues associated with entering open electricity market environment in Ontario

Evaluating commercial feasibility and various regulatory and technical aspects of establishing new interconnections with neighbouring utilities.

Senior Account Executive (1996-1997)

Responsible for:

Managing Ontario Hydro's interface with major municipal utilities and directly connected transmission customers. Achievements as Senior Account Executive:

- Led Ontario Hydro team carrying out economic and risk assessments of acquiring transmission and distribution assets of major direct transmission customers.
- Negotiated business deals and led studies addressing specific customers'

needs, such as determining the most cost-effective alternatives for meeting forecasted load growth in local areas.

Senior Planning Engineer (1988 - 1996)

Responsible for:

Planning transmission and sub-transmission system facilities required to increase capability of integrated transmission network and to address specific local area or customer needs. Major accomplishments and responsibilities as Senior Transmission Planning engineer included:

- Led joint Manitoba Hydro / Minnesota Power / Ontario Hydro team assessing impact of the new Minnesota Power - Ontario Hydro interconnection on interconnected transmission system and led joint Minnesota Power - Ontario Hydro project management team during construction phase of the project.
- Led the team developing long-term transmission plans for meeting system needs in Northern Ontario. The team successfully completed an integrated plan that mitigated risk of bulk system exposure to major contingencies and at the same time addressed reliability needs of specific customers and local areas.

Engineer – Operations (1985-1988)

Responsible for:

Identifying opportunities for electricity sales and purchase to /from neighbouring utilities, and for providing liaison with the Canadian National Energy Board (NEB) on matters related to electricity exports., such as participation in NEB hearing assessing export applications by other Canadian utilities, and co-ordinating preparation of Ontario Hydro's submissions to the NEB in support of various Export License applications.

Engineer – Technical Services (1978 – 1985)

Responsible for:

Providing functional support and direction to field staff on all matters related to maintenance of transmission lines, including technical assessments, economic evaluations of different maintenance methods, and developing new procedures and practices.