



Larry Eng

Staff Consultant

Career Highlights

Mr. Eng has more than 39 years of experience in power systems with an emphasis on electric power analysis of high voltage power systems (23 kV and above). His areas of expertise include:

- *Engineering analysis* and design requirements for the interconnection of generation and transmission facilities. Knowledge of planning and operating standards of the North American Electric Reliability Corporation (NERC), Northeast Power Coordinating Council (NPCC), New York Independent System Operator (NYISO), and ISO New England (ISO-NE). Expertise in the performance of power flow, transient stability, and short circuit analysis.
- *Economic analysis* of the design and operation of interconnected bulk power transmission and generation networks. Expertise in the performance of production cost and economic dispatch analysis using programs such as GE MAPS and ABB GridView™.
- *Reliability analysis* of the security and adequacy of the interconnected bulk power transmission and generation networks. Expertise in performance security and adequacy analysis using programs such as GE MARS.

Mr. Eng joined the Siemens PTI staff in October 2011 and has been performing interconnection and NERC compliance studies.

Experience

Prior to joining Siemens PTI, Mr. Eng was an independent consultant (2005 to 2011) performing reliability and economic analysis in support of the NYISO Resource Needs Assessment (RNA), Comprehensive Reliability Plan (CRP), and the Congestion Assessment and Resource Integration Study (CARIS). Mr. Eng also provided consulting services to ISO-NE, performing interconnection studies from February 2007 to November 2008.

Mr. Eng retired from National Grid USA Service Company/Niagara Mohawk Power Corporation in February 2005, after 32 years of experience performing/directing electric power studies to ensure the security and adequacy of the New York transmission and subtransmission system to meet projected system load forecasts. During his 32 year tenure, Mr. Eng held the following positions:

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| • Consulting Engineer, National Grid USA Service Company | 2002 – 2005 |
| • Manager Electric Transmission Assets, Niagara Mohawk Power Corporation | 1999 – 2002 |
| • Director of Electric System Studies, Niagara Mohawk Power Corporation | 1996 – 1999 |
| • Manager Transmission Planning, Niagara Mohawk Power Corporation | 1991 – 1996 |
| • Supervisor of Transmission Planning, New York Power Pool | 1979 – 1991 |

Education

MBA, State University at Albany, Albany, NY, 1994
ME, Electric Power Engineering, Rensselaer Polytechnic Institute, Troy, NY, 1973
BSEE, Cornell University, Ithaca, NY, 1972

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**Professional
Memberships and
Certifications**

Mr. Eng has been a Registered Professional Engineer in New York State since 1979.

He has been involved in numerous task forces, working groups and subcommittees for multiple organizations, including:

New York Independent System Operator (NYISO)
Transmission Planning Advisory Subcommittee
Interconnection Issues Task Force

Northeast Power Coordinating Council (NPCC)
Reliability Coordinating Committee
Task Force on Coordinated Planning, Chairman
Task Force on System Studies

New York State Reliability Council
Executive Committee
Reliability Rules Subcommittee

Mr. Eng is a Member of the IEEE.