

## Presentation # 2

**Presenter:** Joe Bonadie and Richard Wang, Powerstream

**Title:** Load Forecast Methodology at Powerstream

### Biography

Giuseppe (Joe) Bonadie, P.Eng. is a graduate of University of Waterloo in Electrical Engineering. He is a Registered Professional Engineer in the Province of Ontario and a Senior member of IEEE. Joe has over 25 years of experience in Distribution Planning.

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2005 – Present: System Planning Engineer PowerStream Inc. Completed PowerStream’s “Planning Philosophy” report which established the appropriate criteria for carrying out planning studies and projects. Responsible for all Planning activities for the expansion of the Distribution System, activities include: Determining the adequacy of existing facilities to meet forecasted loads; Determining the acceptability of new customers being connected to the distribution system; Calculating system performance such as voltage drops, line losses and short circuit levels using load flow analysis program.

2002 – 2004 Supervising Project Engineer Barrie Hydro Distribution Inc. Supervised technical staff responsible for the planning and design of the overhead and underground electrical distribution system.

1994 – 2001 Senior Distribution Planning Engineer Ontario Hydro Retail

1988 – 1993 Distribution Planning Engineer Ontario Hydro Retail, Retail Projects

1986 Co-authored IEEE technical paper on “Series Capacitors, Application on Distribution Systems” presented at IEEE 1990 Winter meeting in Atlanta.

1990 Authored CEA position paper, “Series Capacitors, Benefits to Utilities”.

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Richard Wang, P.Eng. has a master degree in Electrical Engineering from Huazhong University of Science and Technology (HUST) in China. He is a Registered Professional Engineer in the Province of Ontario.

Richard has over 17 years of experience in Transmission and Distribution Planning .12 years in China and 5 years with PowerStream Inc. as a System Planning Engineer.