

## **C16 - Planning for BC's Electricity Infrastructure - Implications for Community & Land Use Planning**

**Presentation title:** Planning for BC's Electricity Infrastructure - Implications for Community & Land Use Planning

**Presenters:**

Gary Holisko - BC Transmission Corporation

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**Abstract**

BC Transmission Corporation (BCTC) is planning for the future by ensuring British Columbia's electricity system has the necessary capacity to meet the needs of our growing province. A reliable transmission system is the backbone of the BC economy and timely investment in this critical infrastructure is essential to maintaining access to the reliable, efficient and clean energy on which we all depend. As the Crown corporation that plans, operates and maintains the Province's publicly owned electrical transmission system, BCTC has been mandated through the Provincial Energy Plan to ensure that BC's transmission technology remains on the leading edge and has the capacity to deliver power efficiently and reliably to meet growing demand. Over the next 18 months, BCTC will be developing a 30-year vision for the transmission system in the province to:

- identify transmission investments required to access clean and renewable resources
- incorporate leading edge technology to ensure that the BC transmission system meets the needs of a growing province and retains the ongoing competitive advantage these assets provide to the province;
- identify investments required to maintain reliability and extend the life of the transmission system.

In developing a clean energy vision for the future BCTC will be:

1. Studying a range of possible scenarios of how the transmission system may need to develop over the next 30 years;
2. Developing a Regional Outlook Report that will provide a BCTC perspective on initiatives underway in the Pacific Northwest and how they could impact BC's transmission investments;
3. Completing its Technology Roadmap identifying and recommending advanced technologies to be incorporated into BC's transmission system; and
4. Identifying the long term investments required to extend the life and maintain the performance of our existing transmission infrastructure.

Delegates will learn more about the electrical transmission system that powers our Province and how they can get involved in the development of a long-term vision for the transmission system.

**Speaker Biography**

**Kip Morison** Kip Morison is Manager of Long Term Planning and Research & Development at BC Transmission Corporation. He received his Bachelors and Masters degrees in Electrical Engineering from the University of Toronto and from 1979 to 1992 worked in the System Planning Division of Ontario Hydro in Toronto. From 1993 to 2008 he was Director of Power System Technologies at Powertech Labs, the technology subsidiary of BC Hydro, where he managed a business unit providing international consulting services in the field of power system design, operation, technology innovation, and equipment testing. In 2008 Kip joined BCTC where his responsibilities include the development of a 30 year transmission vision for the Province, management of the corporation's R&D program, and implementation of BCTC's recently released Transmission Technology Roadmap. As R&D Manager, his role is to create business value through the research, demonstration and implementation of technology innovations that enhance the reliability, efficiency and public acceptance of electricity transmission in BC. Kip is a registered professional engineer in the provinces of British Columbia, Alberta, and Ontario and is a member of IEEE and CIGRE.

**Gary Holisko** Gary received his Master's degree in community and regional planning from the University of British Columbia. He is the Manager of the Land Programs at BC Transmission Corporation. Currently he is serving as Chairman of the Real Estate Task Group for the Canadian Electricity Association (CEA). He has been a member of PIBC, and has served in various roles, including Secretary and is currently PIBC's representative on the steering committee for the Land Summit. Gary has worked in the electric

utility industry for over 30 years. He became interested in land appraisal, acquisition and right of way management issues early in his career, and has been involved in transmission line projects in BC and Ontario. Gary's unique combination of right of way acquisition and management skills and urban planning led him to initiate some innovative programs. These include: ' Chairing a project to review right of way issues and their impacts on utilities; ' Developing a guide for property owners on compatible uses; ' Developing a guide for developers and property owners on development of lands near transmission lines; ' Developing a strategy for managing public uses on transmission corridors. In addition, Gary has written a number of articles and made presentations to various organizations in Canada and abroad on property issues for electric utilities.