

# Realize the Power of the Form 6 Control

BC Hydro, a British Columbia provincial Crown Corporation, is one of the largest electric utilities in Canada. BC Hydro received their first Form 6 recloser in the summer of 2001. The control was installed on a distribution feeder with a NOVA™ Three-Phase recloser.



**NOVA™ Three-Phase recloser.**

Currently BC Hydro communicates with the Form 6 recloser control via laptop or through interrogation and control of the front panel. This year they plan to expand their communication utilizing land line phone modems.

A phone line connection allows direct interface between the Form 6 recloser control and the ProView™ interface software. Settings can be viewed or modified, and the Sequence of Events (SOE) or oscillographic events can be downloaded via this direct connection, as well. By capturing event files, BC Hydro is able to analyze event data and utilize the recloser replay feature to simulate events using modified settings.

Victor Lee, senior engineer at BC Hydro, likes the intuitive front panel along with the DNP 3.0 protocol for digital communication through SCADA. Lee commented, "The front panel is well laid out and the large buttons are good." The back-lit liquid crystal display provides a powerful nested menu system that allows for control programming and interrogation. The operating panel has removable inserts that allow simple field customization.

Advanced distribution protection functions include directional overcurrent. The directional functionality is used to maintain system coordination from multiple sources, as well as circuit reconfiguration for each profile. Lee finds the directionality feature to be extremely helpful for their requirements with independent power producers (IPPs) on some of their feeders.

BC Hydro has already implemented and realized the power of the Form 6 recloser control.

You too can benefit from the Form 6 recloser control's powerful protection and automation solutions for your distribution system.



**Victor Lee, senior engineer at BC Hydro, with the Form 6 Control.**

**COOPER Power Systems**