

MV-90 xi TCP/IP Communication Update

Revenue Metering Standing Committee
April 3rd, 2008



- IESO currently interrogates over 3200 meters daily.
- Number is expected to grow to 3450 within the next 2 years.
- 4 MV-COMM stations (64 lines) dialing through a PBX.
- Many different modem types
- Large majority of meters use POTS, few cellular (analog), few satellite.

- Analog cellular networks are being decommissioned all across North America.
- In Ontario, wireless service providers have already begun:
 - Rogers: May 2007
 - TELUS: September 2008
 - BELL: November 2008
- Towers are taken out of service gradually affecting overall system performance.

- Business Case was submitted requesting the implementation of the TCP/IP package to MV-90
- The target project start date is May 1st, 2008 with an end date of August 1st, 2008.

- Project is divided into 2 phases
- Phase 1 will consist of:
 - Design of network
 - Installation and configuration of TCP/IP package
 - Test in a test environment
 - Confirm test is successful
- Phase 2 will consist of:
 - Implement to production system
 - Implement to backup center

- Data download time from meters via TCP/IP is not greater than time to download via telephone line.
- Data is collected securely.
- Number of call retries are less with TCP/IP.

