Q. With reference to the Project **C-16, Install Backup System for Raw Water Supply and Clarifier - Holyrood**, is it anticipated that the needed amount of raw water for power production will be eliminated upon full commissioning of the Labrador Island HVDC Link (except in the case of an interruption of the HVDC Link supply)? At Holyrood's reduced requirement for raw water, post-HVDC Link, how long would water stored on site last for fire protection, cooling water and domestic water requirements, if the raw water supply pipe failed?

A. It is anticipated that the needed amount of raw water for power production will not be eliminated upon full commissioning of the Labrador Island HVDC Link (except in the case of an interruption of the HVDC Link supply) but rather will be reduced. Water will still be required for equipment cooling, fire protection and domestic uses.

Cooling water and domestic water are supplied from the plant's clarified water system. Since there is a volume of water stored within the clarified water system, the cooling water and domestic water systems can remain operational for a period of time in the event of a failure to the raw water supply pipe. The amount of time that these systems can remain operational in the event of a failure will vary because water usage fluctuates. However, in the event of a raw water supply pipe failure, it is estimated that these systems would remain operational for a three to four week time period, assuming no there is no requirement for fire protection. If a substantial fire were to occur, the time the system would remain operational could be significantly reduced, depending on the actual firefighting requirement.