Q. Has Hydro engaged with Newfoundland Power as regards coordinating and identifying the measures that have to be taken by each utility in order to successfully integrate power and energy from Muskrat Falls into the Island? Please detail these efforts. Has Hydro identified the measures that Newfoundland Power must take to allow the successful integration of Muskrat Falls power and energy on the Island?

A. Hydro has engaged Newfoundland Power with respect to the efforts required to integrate Muskrat Falls and the Labrador - Island HVdc Link into the Island Interconnected System. The Lower Churchill Project is a regular agenda item on the Newfoundland Power - Newfoundland & Labrador Hydro Joint System Planning Subcommittee. Hydro has identified two measures required of Newfoundland Power. First, the addition of the synchronous condensers will increase the short circuit levels on the Avalon Peninsula. As a result, Hydro advised Newfoundland Power of the situation and requested they review existing circuit breaker ratings for adequacy. Second, if there was a sudden loss of the entire Labrador – Island HVdc Link during peak load periods, up to 673 MW of temporary load shed on the Island Interconnected System would be required to secure the system and allow an orderly restoration to begin. This may require an increase in the quantity of load assigned to the under frequency load shedding scheme. Hydro will be assessing the requirements and design of the load shedding requirements as part of the operational studies to be conducted in 2015 through 2016 and advise Newfoundland Power of identified changes.