Q. Further to the response to PUB-NLH-264, Attachment 1, Base Case 9 which shows that curtailment of the Maritime Link was found to be necessary as a consequence of generation trip on the Island Interconnected System when the Labrador Island Link was operating near rated capacity, explain when Nalcor would expect to operate the system without reserve on the Labrador Island Link, as earlier studies have shown that the response of on island generation was not sufficiently fast to avoid problems in the event of temporary outages on the Labrador Island Link.

A. A reasonable conclusion based upon studies completed to date is that the governor response and associated water start times of the existing hydro-electric generation on the island is not sufficiently fast enough to respond to island generation loss such that under frequency load shedding can be avoided when the Labrador - Island HVdc Link (LIL) is operating at rated capacity. The studies do demonstrate a marked improvement in overall frequency response of the Island Interconnected System with no under frequency load shedding for loss of an on-island generator when sufficient spinning reserve is carried on the LIL.

The base cases used throughout the studies to date are intended to assess system performance at the limits of the system (i.e., maximum and minimum loads and generation dispatches). The detailed operational studies to be performed in the 2015/2016 time frame will define the operational limits and operating instructions over the full range of load and generation scenarios.