Q. **Re: Project B-5 Unit 1 and Unit 2 Generator Stator Rewind**

At page D3 of Appendix D and page E3 of Appendix E, AMEC recommends that if there is no stator rewind in 2012, that a "bump" test be conducted, and extra support blocks be added, to remove any high vibration responses. AMEC comments that this has been done on several other units in Canada with good success. What is the estimated cost of this AMEC-recommended alternative? If Hydro has not estimated, and feels it cannot estimate for the purposes of this Capital Budget Application, the cost of this alternative, then provide an order-of-magnitude cost comparison between the proposed rewind Project and the AMEC-recommended alternative.

A. Stator windings were re-wedged (extra support blocks added) in 2003 (Unit 1) and 2005 (Unit 2) and the GE recommendation was that this should provide adequate tightness for 12 years. As there is a major outage scheduled for each unit within that timeframe (2012 for Unit 1, re-wedged in 2003 and 2014 for Unit 2, re-wedged in 2005), and no significant vibration issues present (each unit has online vibration monitoring), no further action with regard to adding support blocks is necessary until the major outages.

A bump test will be carried out on Unit 1 during the 2012 major outage. It should be noted that a bump test and any resulting blocking that may be added will have no effect on the stator winding insulation degradation issues that are the paramount concern. See also response to P2-CA-NLH-2.

An estimate to have the bump test performed would be in the range of $40,000 - $50,000. An estimate for the blocking, from an order of magnitude point of view would be in the $250,000 range.