Q. Further to PUB-NLH-12 does the loss of either of the existing gas turbines at Hardwoods or Stephenville or the synchronous condenser at Holyrood create a stability problem for the system after the Labrador Island Link is placed in service?

A. The loss of either of the existing gas turbines at Hardwoods or Stephenville or the synchronous condenser at Holyrood will not result in a stability problem for the system after the Labrador-Island Link is placed in service.

As discussed in the report, the loss of a synchronous condenser at Soldiers Pond does not result in a stability problem. The loss of one of these units is a more severe contingency than the loss of one of the units described above, as the Soldiers Pond machines have a higher reactive power rating as well as a higher inertia. These values are summarized in the table below:

Unit	Maximum Reactive Power Output (MVAR)	Inertia (MW-s)
Soldiers Pond SC	175.0	1372.0
Holyrood SC	166.0	157.6
Hardwoods GT	63.3	130.5
Stephenville GT	63.5	130.8