

1 Q. Reference: Energy Supply Risk Assessment Update, November 30, 2016, Appendix
2 A. The DAFORs for the Holyrood units in the off-peak months would seem to be
3 irrelevant and have the potential to provide misleading results. Would it be more
4 appropriate to calculate historical DAFORs for only the on-peak months or,
5 alternately, use UFOP instead of DAFOR? Please comment on how the conclusions
6 regarding Holyrood reliability might differ.

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9 A. Hydro does not agree that unavailability of a Holyrood unit or a de-rated Holyrood
10 unit in the off peak months (assuming the question is meant to infer April to
11 November) is irrelevant or have the potential to provide misleading results. Hydro
12 plans for the up-time of these units outside the winter period in order to facilitate
13 required maintenance and upgrade timeframes at Holyrood and at other generating
14 facilities, and on the transmission and terminal station system, while still meeting
15 customer demand. The Energy Supply Risk Assessment contemplates that unit de-
16 rating or unplanned outages can occur in the off-peak *or* on-peak months, resulting
17 in a probabilistic expectation of the contribution of these units to the reliable
18 operation of the Island Interconnected System whenever they are required.

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20 UFOP is the probability that a generating unit will not be available when required
21 and does not contemplate a generator de-rating, which is an important factor for
22 system planning. The measure UFOP is typically used for stand-by units and not
23 base load units, such as Holyrood (and the hydraulic units such as those at Bay
24 d'Espoir). For these reasons, Hydro does not feel utilizing UFOP for Holyrood
25 reliability is appropriate.