1	Q.	Does the ICbF trend towards higher capability result in gains in operational
2		efficiency, or is it solely aimed at improving reliability? If the former, provide
3		a NPV or other economic analysis demonstrating the efficiency gain. If the
4		latter, provided an analysis of the impact on Hydro's reliability during the
5		same period (JRH p. 11, line 19)
6		
7		
8	Α.	The ICbF (incapability factor) trend results in higher plant availability which is
9		a reliability measure. The primary benefit to Hydro's performance in this area
10		is security of supply in that the units are available for duty more often and in
11		particular during periods of low inflow when there is less energy production
12		available from hydraulic resources. The firm energy capability of Holyrood is
13		2996 GWh. That energy capability requires the plant to operate with a 75%
14		capability factor or a 25% incapability factor.
15		
16		If during firm hydraulic production periods the Holyrood plant is not able to
17		operate with a 25% or less ICbF there will be a shortfall in energy supply
18		capability that could result in a combination of load curtailment and operation
19		of high cost gas turbines for extended periods. However, it should be noted
20		that decisions are often made to not incur expenses for additional temporary
21		staff, overtime or external resources if the hydraulic and system conditions
22		allow lengthening of an outage to reduce overall cost.