

Undertaking 109

Undertake to provide an explanation as to why the risk was assessed as high for the Hardwoods site, as opposed to moderate for 74L (in respect of blackstart related risks (#10)).

The difference between the two risks was related to redundancy. If the transmission lines from Hardwoods were to fail, then Hydro would have no blackstart capability since all the combustion turbines would be in the same place. The Consequence was "Major", but the likelihood was "Rare".

For the 74L option, Hydro would have the new combustion turbine supplying energy via a different route and from a different location than the existing Hardwoods Gas Turbine, so the consequence would not be as great as there would still be redundancy. The Consequence was "Moderate", but the likelihood was "Unlikely".

The risk matrix that was used is attached below.

Risk Matrix

		Consequence				
		Insignificant 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	A Almost Certain	High	High	Extreme	Extreme	Extreme
	B Likely	Moderate	High	High	Extreme	Extreme
	C Moderate	Low	Moderate	High	Extreme	Extreme
	D Unlikely	Low	Low	Moderate	High	Extreme
	E Rare	Low	Low	Moderate	High	High