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1	Q.	Re: Page 21, section 4.1.3
2		With respect to the activities associated with improving CT reliability, please
3		describe how Hydro considered the effects of those activities in forecasting
4		availability and contribution for the coming winter, and identify quantitatively the
5		magnitude of increased availability and contribution assumed as a result of those
6		activities.
7		
8		
9	Α.	Hydro commenced using the Derated Adjusted Utilization Forced Outage
10		Probability (DAUFOP) measure for its gas turbine fleet in the previous November
11		2017 filing of the Near-Term Generation Adequacy Report. Compared to the
12		previous Utilization Forced Outage Probability (UFOP), this metric better captures
13		the availability of gas turbines to the system. In the May 2018 filing of the Near-
14		Term Generation Adequacy Report, Hydro used the following DAUFOP availability
15		for the gas turbines. The most recent 12-month DAUFOP results are also presented
16		for comparison.

Gas Turbine	DAUFOP	DAUFOP 12-month ending March 2018 <sup>1</sup>
Holyrood GT	5%	0.07%
Stephenville	Base 30% Sensitivity 50%	52.11%
Hardwoods	Base 30% Sensitivity 50%	5.01%

<sup>&</sup>lt;sup>1</sup> Filed in the Quarterly Report on Performance of Generating Units for the Quarter ended March 31, 2018, dated April 30, 2018.

1	The May 2018 Year-To-Date DAUFOP for Hardwoods and Stephenville is 10.8% and
2	50.9%, respectively. While Stephenville is an important part of the system, for the
3	system's performance, the two most critical units are Hardwoods and Holyrood.
4	The results of the performance of these two units have been well within the Near-
5	Term Generation Adequacy modelling.
6	
7	Due to the age of Stephenville and Hardwoods, there have been and will continue
8	to be equipment issues to address on these units that will result in equipment
9	outages. Hydro has actions in place to mitigate these risks through increased
10	monitoring, inspection, maintenance, and procurement of spare parts.
11	
12	The actions noted above should continue to maintain or improve the modelled
13	DAUFOP for these units. Therefore, Hydro has maintained its forecast for
14	availability for the coming winter.