Q. What would be the resultant long-term impact – post-Muskrat Falls - on LOLH if short-term needs driving an increase in Island firm installed generation capacity were to proceed (eg. The acquisition of CT to overcome reserve shortfalls)?

A. Based on the capacity resource assumptions in Hydro's response to CA-NLH-028, the long-term impact on LOLH for the ten years post Muskrat Falls interconnection for the 120 MW combustion turbine is as follows:

LOLH - With and Without 120 MW CT Installed

		P-50 Forecast		P-90 Forecast	
	Island Interconnected Peak Demand (MW)	120 MW CT Installed (LOLH)	120 MW CT not Installed (LOLH)	120 MW CT Installed (LOLH)	120 MW CT not Installed (LOLH)
2018-19	1,760	0.159	0.159	0.160	0.160
2019-20	1,766	0.162	0.162	0.174	0.174
2020-21	1,781	0.176	0.176	0.186	0.190
2021-22	1,801	0.189	0.190	0.194	0.201
2022-23	1,824	0.196	0.199	0.203	0.214
2023-24	1,841	0.206	0.210	0.216	0.232
2024-25	1,861	0.217	0.224	0.230	0.279
2025-26	1,879	0.228	0.254	0.244	0.304
2026-27	1,894	0.240	0.272	0.264	0.347
2027-28	1,912	0.257	0.303	0.342	0.599

Table 1

Please note that the above is based on current LOLH criteria that are being relied on pre-interconnection. This is subject to review in advance of interconnection to the North American grid. Please see Hydro's responses to PUB-NLH-217 and CA-NLH-

030 for the various benefits of the addition of the combustion turbine in the post-interconnection period.