Q. **Reference: Response to CA-NLH-069**

In response to CA-NLH-069, Hydro references a 2018 U.S. Utility-Scale Photovoltaics-Plus-Energy Storage System Costs Benchmark report that indicated that "most storage technology is limited to 10 hours in duration and none exceed average energy storage duration of 100 hours."

Has Hydro conducted more recent research to determine to what extent storage technology has progressed in the four years since the report was published? If so, please provide any updated analysis. If not, please outline the rationale for not conducting more recent research.

A. Newfoundland and Labrador Hydro ("Hydro") has not performed any further research; however, Hydro has been monitoring updates to the Storage Futures Study being conducted by National Renewable Energy Laboratory ("NREL"), which suggests no significant change since the 2018 U.S. Utility-Scale Photovoltaics-Plus-Energy Storage System Costs Benchmark report. Through the Storage Futures Study, NREL analyzed the potentially fundamental role of energy storage in maintaining a resilient, flexible, and low-carbon U.S. power grid through the year 2050.

Hydro is also an active member of the Canadian Off-Grid Utilities Association ("COGUA")— a group of utilities in Canada that have communities that are not connected to the grid that share and discuss topics such as emerging technologies in energy storage. Since the filing of Hydro's response to CA-NLH-069 of this proceeding, there have been no updates on the advancement of energy storage technology brought forward by any members of COGUA.