Q. Please outline how many MW of demand existed before the decision was made to have rolling blackouts and how many MW would have been required to avoid this decision.

A. Rolling customer outages were initiated on January 2, 2014. Please refer to Hydro's response to PUB-NLH-025 for more details on the rotating outage process and the decision to implement the rotating outages.The demand on the power system supplied by Hydro[1] on January 2, 2014 is provided in response to PUB-NLH-052 Attachment 1, page 3 of 8. The rolling customer outages commenced at 1613 on January 2. The demand being supplied by Hydro at that time was 1499 MW.

The Hydro system capacity, at that time, including purchases, was 1513 MW. This meant the reserve was 14 MW. Hydro needs to have a reserve available of approximately 20 to 25 MW to maintain system frequency. Based on this and the fact that customer demand was increasing at the time, Hydro determined it was unable to maintain the system frequency and rotating outages were implemented.

It is difficult to determine how many MW would have been required to avoid this decision. Please see Hydro's response to PUB-NLH-052, which describes the difficulty in determining accurately the amount of the capacity shortfall.

[1] In addition to the demand being supplied by Hydro, Newfoundland Power and Corner Brook Pulp and Paper have generation which is used to supply demand. Their generation would have been producing at their maximum available capacity with no reserve at the time of the start of the rotating customer outages.