Q. **Reference: Study, Section 7, page 30, lines 2-5**

Provide the different load growth scenarios considered by NLH (high, median, low).

A. The baseline load forecast is expected to reach 94.8 MW by the year 2043. The expansion plan to meet this forecast includes the proposed Muskrat Falls to Happy Valley Interconnection project, which would increase the system capacity to 104 MW.

Load growth scenarios are summarized in the "Labrador Interconnected System Transmission Expansion Study," Sec. 7.1, at p. 30, Table 10. These scenarios were identified on the basis of the system capacities that would result from incremental transmission system upgrades beyond the Muskrat Falls to Happy Valley Interconnection.

Low load growth scenarios would have a forecast peak in excess of 104 MW, but less than 125 MW. Such a scenario would require transformation upgrades at the Happy Valley Terminal Station.

Intermediate load growth scenarios would have a forecast peak in excess of 125 MW, but less than 162 MW. Such a scenario would require transformation upgrades at the Muskrat Falls Terminal Station 2 and the Happy Valley Terminal Station.

High load growth scenarios would have a forecast peak in excess of 162 MW and would require the second 138 kV transmission line interconnecting the Muskrat Falls Terminal Station 2 and the Happy Valley Terminal Station.

For western Labrador, load growth scenarios for potential customer interconnection, are summarized in the "Labrador Interconnected System Transmission Expansion Study," App. B, Sec. 4, at pp. 10/11 to 11/3:

> The alternatives are categorized as follows:
>
> 1) Baseline Load Forecast (383 MW): These alternatives are designed to meet all forecasted baseline loads for customers including Hydro Rural, IOC and Tacora without load restriction, as summarized in Section 3.
> 2) Low Incremental Load up to 434 MW: These alternatives designed to meet the unrestricted baseline forecast plus an incremental load of 51.5 MW for data centres, as summarized in Section 3.
> 3) High Incremental Load >434 MW: These alternatives designed to meet the unrestricted baseline forecast plus an incremental load associated with data centres and Alderon, as summarized in Section 3.