

1 Q. **B-36, Perform Wood Pole Management Program, \$2,513,300**

2 Please provide the ice and wind loading design criteria for 230 kV, 138 kV and 66 kV
3 lines.

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6 A. Hydro generally has two basic load conditions for its transmission lines: Normal
7 Zone and Ice Zone. These loading zones are summarized in the following table:

Ice Zone	Radial Ice (mm)	Gust Wind Speed (km/hr)	Temperature (°C)	Conductor Tension (% RTS)
Normal Zone	25	0	-18	70
	13	73	-18	50
	0	110	-18	50
Ice Zone	38	0	-18	70
	25	73	-18	50
	0	110	-18	50

8 It is to be noted that there are other areas of the transmission line network where the
9 lines are designed for a significantly higher loading (e.g. Avalon region).