

March 9, 2012

Via Courier

Board of Commissioners of Public Utilities
120 Torbay Road
St. John's, NL A1A 5B2

Attention: Maureen P. Greene, Q.C.
Legal Counsel



Dear Ms. Greene

RE: Reference from Lieutenant-Governor in Council on the Muskrat Falls Project
(the "Muskrat Falls Review")

Further to our telephone conversation of earlier today I am enclosing a copy of Revision 1 to Appendix A of Nalcor Exhibit 97. This document, which has only recently been received, contains the most current data respecting Nalcor's Meteorological Studies on the Labrador - Island Transmission Link. This Revision is being provided to the Board so that it may have available to it the most current data on this subject as it prepares its report on the Reference question. We ask that this Revision be filed as a revision to Exhibit 97.

Please feel free to contact the undersigned respecting this matter should you have any questions.

Yours Faithfully

A handwritten signature in blue ink, appearing to read "Thomas J. O'Reilly".

Thomas J. O'Reilly Q.C.

c.c. Thomas Johnson
Consumer Advocate
O'Dea, Earle
323 Duckworth Street
St. John's, NL A1C 5X4
Via Courier

Thomas J. O'Reilly, Q.C. | Partner

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APPENDIX A – Ice Loading Region Maps

Appendix A updated with current
meteorological loadings.
Loadings are highlighted in each zone



Zone 1 – Inner Labrador

Average Meteorological Loading Zone

Maximum Ice: 50 mm glaze, Maximum Wind: 105 km/h, Combined Ice and Wind: 25 mm glaze and 60 km/h



Zone 2a – Alpine Labrador

High Alpine Meteorological Loading Zone

Maximum Ice: 115 mm (Rime), Maximum Wind: 135 km/h, Combined Ice and Wind: 60 mm (Rime) and 95 km/h



Zone 2b – Alpine Labrador

Extreme Alpine Meteorological Loading Zone

Maximum Ice: 135 mm (Rime), Maximum Wind: 135 km/h, Combined Ice and Wind: 70 mm (Rime) and 95 km/h



Zone 2c – Alpine Labrador

High Alpine Meteorological Loading Zone (Western Corridor Alternative Only)

Maximum Ice: 115 mm (Rime), Maximum Wind: 135 km/h, Combined Ice and Wind: 60 mm (Rime) and 95 km/h



Zone 3 – Labrador Coast

Average Meteorological Loading Zone

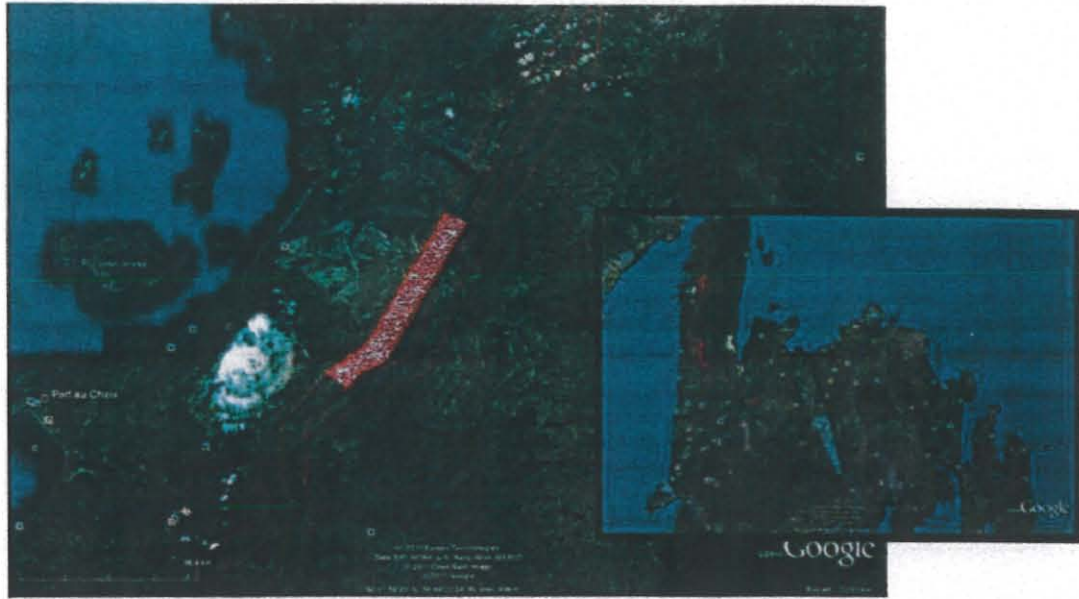
Maximum Ice: 50 mm (Glaze), Maximum Wind: 120 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 4 – Northern Peninsula Coast

Average Meteorological Loading Zone

Maximum Ice: 50 mm (Glaze), Maximum Wind: 120 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 5 – Highlands of St. John

High Alpine Meteorological Loading Zone (Western Corridor Alternative Only)

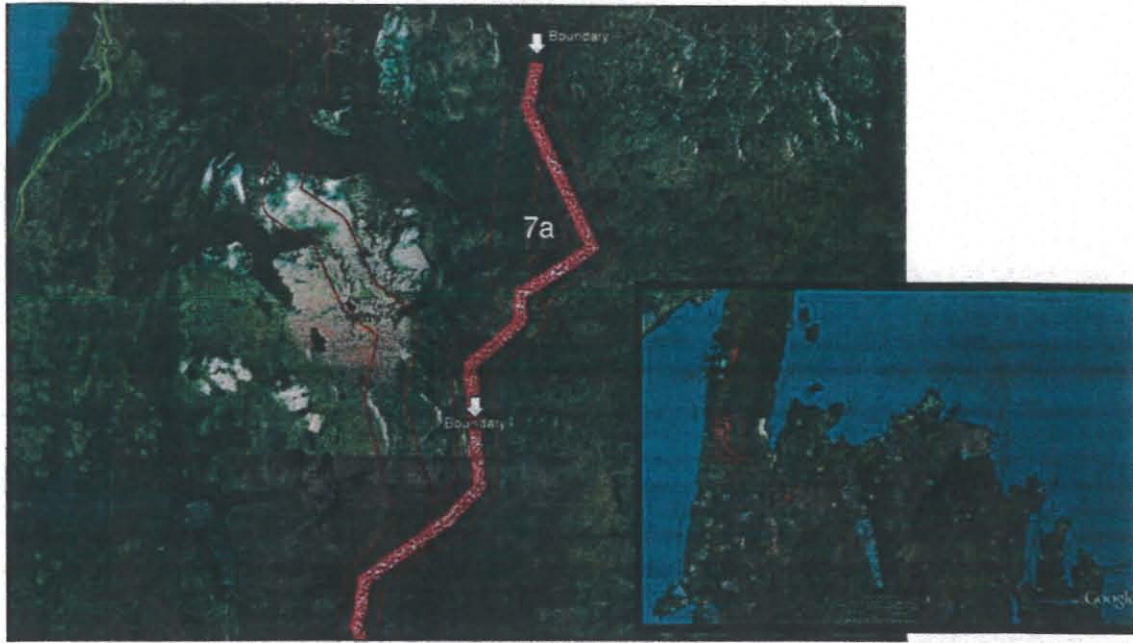
Maximum Ice: 115 mm (Rime), Maximum Wind: 150 km/h, Combined Ice and Wind: 60 mm (Rime) and 105 km/h



Zone 6 –Northern Peninsula

Average Meteorological Loading Zone

Maximum Ice: 50 mm (Glaze), Maximum Wind: 120 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 7a – Long Range Mountains Crossing

High Alpine Meteorological Loading Zone (Eastern Corridor Alternative Only)

Maximum Ice: 115 mm (Rime), Maximum Wind: 180 km/h, Combined Ice and Wind: 60 mm (Rime) and 125 km/h



Zone 7b – Long Range Mountains Crossing

Extreme Alpine Meteorological Loading Zone (Eastern Corridor Alternative Only)

Maximum Ice: 135 mm (Rime), Maximum Wind: 180 km/h, Combined Ice and Wind: 70 mm (Rime) and 125 km/h



Zone 7c – Long Range Mountains Crossing

High Alpine Meteorological Loading Zone

Maximum Ice: 115 mm (Rime), Maximum Wind: 180 km/h, Combined Ice and Wind: 60 mm (Rime) and 125 km/h



Zone 8a – Central-West Newfoundland

Average Meteorological Loading Zone

Maximum Ice: 50 mm (Glaze), Maximum Wind: 120 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 8b – Central-West Newfoundland

Average Meteorological Loading Zone

Maximum Ice: 50 mm (Glaze), Maximum Wind: 105 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 9 – The Birchy Narrows

Alpine Meteorological Loading Zone (Northern Corridor Alternative Only)

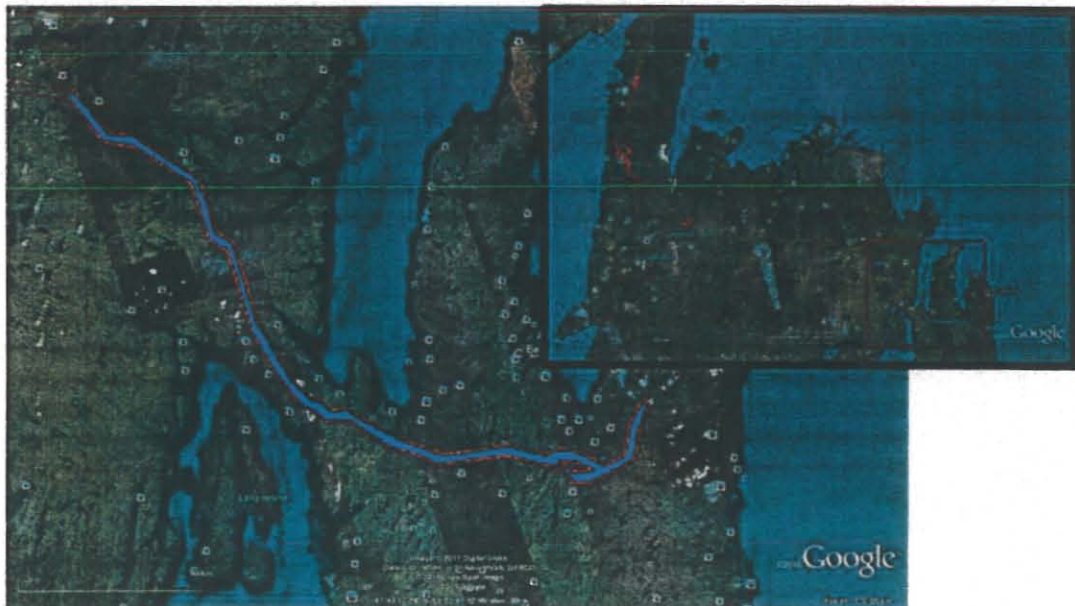
Maximum Ice: 75 mm (Glaze), Maximum Wind: 130 km/h, Combined Ice and Wind: 45 mm (Glaze) and 60 km/h



Zone 10 – Central-East Newfoundland

Average Meteorological Loading Zone

Maximum Ice: 50 mm (Glaze), Maximum Wind: 105 km/h, Combined Ice and Wind: 25 mm (Glaze) and 60 km/h



Zone 11 – Eastern Newfoundland

Eastern Meteorological Loading Zone

Maximum Ice: 75 mm (Glaze), Maximum Wind: 130 km/h, Combined Ice and Wind: 45 mm (Glaze) and 60 km/h