

1 Q. C-60; Volume II, Tab 23: Upgrade Diesel Plant Production Data Collection
2 Equipment – Various Sites, page 4: Hydro states that: *“As well, the increasing*
3 *presence of electric heat in Hydro’s isolated systems is changing the historical*
4 *typical load shape.”*

5 Please provide details of any studies that have been undertaken by Hydro analyzing
6 the impact of the use of electric heat in homes, in businesses and in public buildings
7 on current and forecast load growth and shape in Hydro’s rural areas.

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10 A. On page 4 of C-60; Volume II, Tab 23: Upgrade Diesel Plant Production Data
11 Collection Equipment – Various Sites, Hydro should have stated that an increasing
12 presence of electric heat in Hydro’s isolated systems has the potential to change
13 the historical typical load shape.

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15 Hydro has not undertaken any recent study which specifically analyzes the impact
16 of electric heat in businesses and public buildings on current and forecast load
17 growth in rural areas, nor has Hydro undertaken any recent study which analyzes
18 the impact of electric heat on load shapes for rural areas.

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20 Hydro completed a residential customer survey in 2010 which was used to analyze
21 annual and monthly electricity consumption for Hydro’s rural systems. The
22 associated report documents electricity consumption by homes with and without
23 electric heat for the interconnected and L’Anse au Loup systems but not for isolated
24 diesel systems as the survey sample was too small. In the past, Hydro also prepared
25 load forecasts for isolated systems under different rate scenarios that had different
26 load growth forecasts based on assumptions regarding the uptake of electric heat
27 within domestic and general service rate classes.