

1 Q. C-64; Volume II, Tab 25: Additions to Accommodate Load Growth – Hopedale,
2 page 11: Hydro states that: *“The connected capacity of this facility will be*
3 *approximately 435 kW, including a 135 kW provision for electric heat.”*

4 Please provide details of the growth of electric heat in the Hopedale system over
5 the period from 2005-2014F, including the rate classes where this growth has been
6 observed, and show how the costs of this system over the same period are related
7 to this change in heat source.

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10 A. In the historical period from 2005 to 2012, Hydro has observed increased average
11 annual electricity consumption within the domestic customer class, coincident with
12 the rise in fuel oil prices and implementation of the Labrador rural rate subsidy.
13 Hydro suspects, but has not confirmed, that this increase in electricity consumption
14 is primarily associated with supplementary electric heating. Hydro has not
15 observed growth in the general service rate classes that it can associate with
16 electric heat in the period from 2005 to 2012.

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18 For the 2013 to 2014 period, Hydro has been informed of the new multi-purpose
19 building and one new home that will install electric space heating systems.

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21 The table below provides fuel consumption costs to supply the estimated actual and
22 forecast electric space heating requirements detailed above for the 2005 through
23 2014 period.

**Estimate of Energy and Diesel Fuel Costs to Supply
Electric Heat Growth in Hopedale**

	<u>MWh</u>	<u>Fuel Cost</u>
2005	0	\$ -
2006	0	\$ -
2007	20	\$ 5,500
2008	178	\$ 62,400
2009	198	\$ 50,600
2010	181	\$ 50,700
2011	203	\$ 69,700
2012	187	\$ 64,800
2013	228	\$ 82,800
2014	430	\$ 150,200