

MANITOBA HYDRO**2012/13 & 2013/14 ELECTRIC GENERAL RATE APPLICATION****UNDERTAKING PROVIDED BY: L. MORRISON****Manitoba Hydro Undertaking #13**

Provide calculations with respect to the annual space heating costs of \$1152 (electricity) and \$575 (natural gas). Also provide calculations with respect the water heating costs for electricity at \$251 and \$262 and natural gas at \$75, \$101 and \$118 from one of the efficient natural gas appliances.

Response:

Please see the following table, which corresponds to Manitoba Hydro's "Typical space & water heating costs charts", based on rates effective November 1, 2012.

<u>Equipment</u>	<u>Consumption</u>	<u>Rate</u>	<u>Annual Energy Charge</u>	<u>Annual Basic Charge</u>	<u>Total</u>
Electric Furnace	16,605 kW.h	\$0.0694	\$1,152	---	\$1,152
Natural Gas High Efficiency Furnace (92% SE)	1,745 cu.m	\$0.2336	\$407	\$168	\$575
Electric HWT (40 I.G.)	3,612 kW.h	\$0.0694	\$251	---	\$251
Electric HWT (60 I.G.)	3,777 kW.h	\$0.0694	\$262	---	\$262
Natural Gas HWT (90%EF)	321 cu.m	\$.2336	\$75	---	\$75
Natural Gas HWT (67% EF)	431 cu.m	\$0.2336	\$101	---	\$101
Natural Gas HWT (57% EF)	506 cu.m	\$0.2336	\$118	---	\$118