

**MANITOBA HYDRO****2012/13 & 2013/14 ELECTRIC GENERAL RATE APPLICATION****UNDERTAKING PROVIDED BY: R. WIENS**

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**Manitoba Hydro Undertaking #52**

Manitoba Hydro to source residential consumption data in various major Canadian cities (as compared to Winnipeg) for homes that are non-electric heat.

**Response:**

Information on residential average use by heating type (electric, non-electric) is not readily available. Generally utilities, at best, only provide total average kWh usage by customer class, not by heat type.

On January 9, 2013 Manitoba Hydro canvassed the utilities listed below. Hydro Quebec figures are based on fiscal 2011/12 data; BC Hydro figures are based on calendar year 2011 data; SaskPower does not capture data in this manner and therefore have only provided monthly average use amounts as used in rate surveys conducted by their utility. (These monthly figures have been multiplied by 12 months to provide an annual figure for comparison purposes). Manitoba Hydro's figures are based on fiscal 2011/12 data.

The usage levels in the different utility service territories are presented here as reported by them in response to our query. We have not been able to inquire further as to the factors that may be responsible for these differences and there are likely many. They could include, in addition to climate and weather variability, the composition of housing stock, the definition of electric heat capability and numerous other factors that may differ among utility service territories.

**Residential Average Use (kWh)**

	<u>Non-Electric Heat</u>	<u>Electric Heat</u>
BC Hydro	8,457	11,778
Hydro Quebec	12,824	17,849
SaskPower	8,100	30,084
Manitoba Hydro	10,038	24,273 (actual)
Manitoba Hydro *	10,426	25,417 (weather adj)

\*Weather adjusted values have been provided given the warmer than normal weather experienced during the winter months in 2011/12.