

MANITOBA HYDRO

2012/13 & 2013/14 ELECTRIC GENERAL RATE APPLICATION

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Manitoba Hydro Undertaking #69

Manitoba Hydro to file the detailed MRC calculation, the RIM test, and the LUC results for the Water & Energy Saver Program.

Response:

Below is a table showing the electric MRC for the Water and Energy Saver Program's technologies as per the 2011/12 Power Smart Plan. The MRC calculations include a water benefit based on the City of Winnipeg's 2011 water and sewer rates and assume water savings based on 2.4 people per household.

Technology	Present Value of Benefits			Product Cost	MRC B/C Ratio
	Energy Benefits	Water Benefits	Total Benefits		
Showerhead - 1.5 gallon per minute	\$185.95	\$217.96	\$403.91	\$3.69	109.5
Bathroom Aerator - 1.5 gallon per minute	\$55.83	\$68.39	\$124.22	\$1.10	112.9
Kitchen Aerator - 1.5 gallon per minute	\$31.93	\$44.12	\$76.05	\$0.99	76.8
Hot Water Tank Pipe Insulation - 3 metres	\$82.50	N/A	\$82.50	\$1.17	70.5

As outlined on page 14 of the 2011/12 Power Smart Plan (Attachment 7.1), the electric RIM and LUC for the Water and Energy Saver Program is 1.0 and \$0.016/kWh respectively.