
NEEDS FOR AND ALTERNATIVES TO (NFAT)

Can Manitoba Hydro extrapolate the extent to which a homeowner can reduce his/her bill by adopting DSM (e.g. rate increase will be 3.95%/year but homeowner can reduce that by x% by doing DSM)?

Response:

The extent to which a homeowner can reduce their electricity bill depends upon the available opportunities within their home and the individual characteristics of their home. The following presents some examples of what the percentage change may be if a customer undertook certain measures in their home*:

Example 1:

For the customer heating both their home and their water with electricity, if they were to install energy efficient lighting, the free Water & Energy Saver kit, upgrade their attic insulation from R20 to R50 and their basement insulation from R0 to R24, and retire their second refrigerator, they could save approximately 42% on their annual electricity bill.

Example 2:

For the customer heating their home with natural gas and their water with electricity, if they were to install energy efficient lighting, the free Water & Energy Saver kit and retire their second refrigerator, they could save approximately 16% on their electricity costs or 7% on their overall energy bill (natural gas and electricity).

Example 3:

For the customer heating their home and their water with natural gas, if they were to install energy efficient lighting and retire their second refrigerator, they could save approximately 15% on their annual electricity costs or 5% on their overall energy bill (natural gas and electricity).

* All of the above examples assume an average single detached home of approximately 1300 sq.ft. For homes using natural gas, bill reductions are adjusted to reflect increases in natural use due to the interactive effects of the energy efficient electricity measures.