




Replacing your furnace or water heater?


Know your heating options.

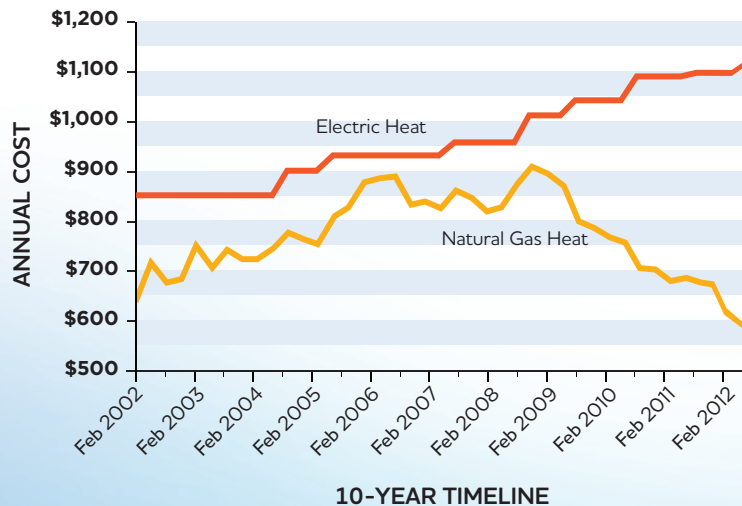


The type of energy used by your heating system can impact the cost of heating your home.

AVERAGE OPERATING COST TO HEAT A HOME IN MANITOBA OVER TIME

 Natural gas furnace with AFUE of 92%
(annual cost includes basic monthly charge for gas service)

 Electric furnace or baseboard heaters



This chart compares the cost of heating the average home in Manitoba using natural gas (orange line) or electricity (red line). The costs are based on the rates in effect over the last 10 years.

Based on the rates in effect on August 1, 2012. It costs about \$551 less to heat the average home using a natural gas furnace than an electric furnace or baseboard heating.

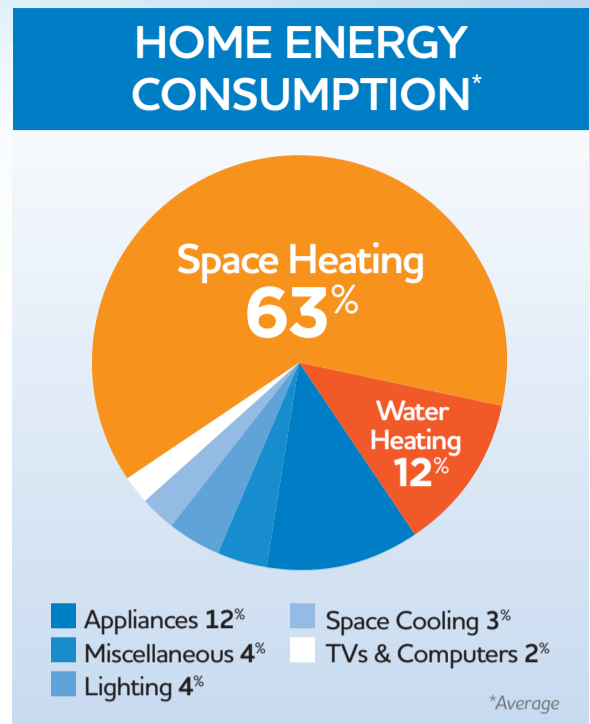
The cost does not include the purchase price or maintenance of the equipment.

Heating your home and water make up the largest part of your energy bill.

KNOW BEFORE YOU BUY

- What types of heating systems are available?
- How much will the system cost?
- What will the installation cost?
- How much will it cost to operate?
- What are the annual maintenance requirements and costs?
- How energy efficient is it?
- How long will it last?
- What does the warranty cover?
- How will it impact the environment?

Manitoba Hydro offers a variety of financing programs that can help spread the cost of buying new heating equipment over time.



Compare the lifetime cost* to heat your home and water using different types of heating systems.

Some types of heating systems cost more to buy but will actually cost less to run each year.

The cost to purchase and to operate heating systems varies depending on whether you are building a new home or replacing existing equipment, the size of your home, number of occupants, insulation levels, weather conditions, and lifestyle habits.

SOME THINGS TO CONSIDER

1. Replacement natural gas furnaces are required to have an AFUE*** rating of at least 92 per cent. New natural gas furnaces will vent flue gases from your home through the side wall or roof using an approved plastic venting system. The venting design may vary by the brand of furnace. If you're installing a new natural gas furnace, you may be able to continue to vent your existing natural gas water heater through your chimney as long as the chimney vents properly. Ask your contractor about your options.

SPACE HEATING LIFETIME COST*

■ COST TO BUY
 ■ 25-YEAR COST TO RUN
 (rounded to the nearest hundred)

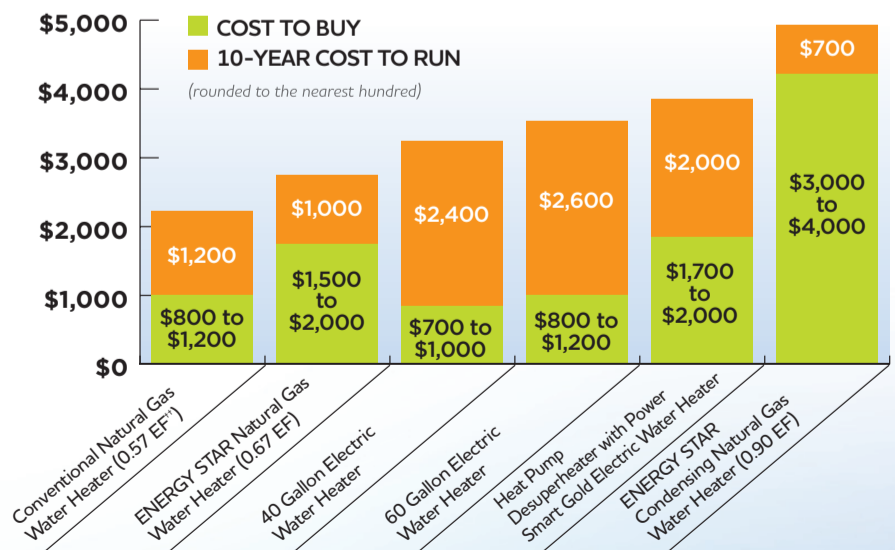


The "Cost to Buy" indicated is an average and will vary depending on your home, specific heating needs, and other conditions.

2. If you're installing an electric furnace or water heater for the first time, it may be necessary to upgrade your electrical service. This may involve changing your electrical panel or installing an additional one. Ask a licensed electrician if these changes are needed and what they will cost.
3. Installing a new high efficiency natural gas or electric furnace may reduce the amount of warm air lost through your chimney. As a result, the humidity in your home may increase, which can cause locks and doors to freeze and condensation on your windows. Ask your contractor about ventilation systems.

WATER HEATING LIFETIME COST*

■ COST TO BUY
 ■ 10-YEAR COST TO RUN
 (rounded to the nearest hundred)



The "Cost to Buy" indicated is an average and will vary depending on your home, specific heating needs, and other conditions.

All charts based on a natural gas cost of \$0.2321/m³ and electricity cost of \$0.0677/kWh.
 * Lifetime cost = cost to buy + (yearly cost to run x life of system)

** High efficiency natural gas furnace 25-year cost to run includes the basic monthly charge for natural gas of \$14 (\$168 per year)
 *** Annual Fuel Utilization Efficiency

† Seasonal Co-efficient of Performance
 †† Efficiency Factor

DID YOU KNOW

- Manitoba Hydro exports surplus hydro electricity to provinces and states that would otherwise burn fossil fuels like coal.
- Reducing electrical consumption in Manitoba leaves more for export, reduces global greenhouse gas emissions, and helps keep Manitoba's electricity rates among the lowest in North America.
- Manitoba Hydro's hydroelectric generating stations produce almost all of the electricity used by Manitobans.
- Electricity produced from hydroelectric generating stations results in almost no greenhouse gas emissions.

MAKE YOUR HOME MORE COMFORTABLE.

To improve the comfort of your home:

- Apply or replace weather stripping and caulking around doors and windows;
- Add insulation to your attic, foundation, and exterior walls to achieve an even temperature in your home;
- Seal gaps and air leaks around light fixtures, pipes, ducts, and exhaust fans in ceilings;
- Cover your windows using a window insulation kit in the winter;
- Install new triple-pane windows;
- Ask your heating contractor if installing a ventilation system will increase the comfort of your home.

SHOP AROUND

An emergency replacement may end up costing you hundreds of dollars more than a planned installation.

Planning ahead for the replacement of your furnace or water heater, allows you to:

- Make an informed, unrushed purchase decision;
- Obtain various quotes and opinions from multiple contractors;
- Have the time to find a heating system that will suit your needs.

For more information
call **(204) 480-5900** in Winnipeg or
1-888-MBHYDRO (1-888-624-9376)

hydro.mb.ca/heating

