



Ontario Green Home Details

(Source: OntarioGreenSpec.ca)

The home is heated with a G71 furnace that is 95% efficient and uses an incredible 2/3 less electricity than a standard furnace, all the while operating 8 times more quietly. With the addition of the All AIR™ DH Whole Home Air Purification system, the air that passes through the furnace at the Ontario Green Home is purified. A staggering 99% of pathogens such as viruses, bacteria and moulds as well as airborne chemical contaminants (V.O.C.s) are eliminated, creating a healthier, safer indoor environment.

The Green Home is solar ready – for the future installation of solar panels. It also features a Bushman Rainwater Tank with a 516 gallon capacity which captures rainwater to use for watering the lawn and garden. Other cutting edge elements include such things as Boomerang Paint – a product comprised of 99% recycled content, a Brac Greywater System that reuses and filters water from showers and sinks to supply toilets, saving up to 40% on annual water costs and P.E.T. carpeting. This carpeting is manufactured from recycled pop and ketchup bottles using 100% renewable hydro and wind power energy.

Building on its Energy Star® and LEED® certification, The Ontario Green Home adds even more environmentally responsible features. One example is Xeriscaping – a form of landscaping that focuses on using drought tolerant and native plants that are naturally conditioned to local soil and climate conditions, eliminating the need to transport foreign plant materials from great distances.

Not only is this home environmentally savvy, but it's also been carefully designed to be "tech ready". The home features structured wiring, and has modular and easily reconfigurable network wiring hidden in the walls throughout. From the wired and wireless network to the camera system, intercom, distributed audio system, and On-Q / Legrand's "Unity" control system, this house boasts a home office that is highly functional, and comfort solutions that are highly enjoyable. Who says environmentally advanced housing can't also be fun?

Further still, the home office features hard wood flooring provided by Eco Harvest Wood: tropical hardwood that was salvaged from the remnants of Hurricane Felix, and manufactured with fair-trade labour. If every house had a home office like this, then users could offset as much as 5 tonnes of emissions or more each, while enjoying the comforts of home, and supporting fair trade labour.

Fig. 1: Comparison to Ontario Building Code built home (source: Mindscape Innovations / www.mi-group.ca)

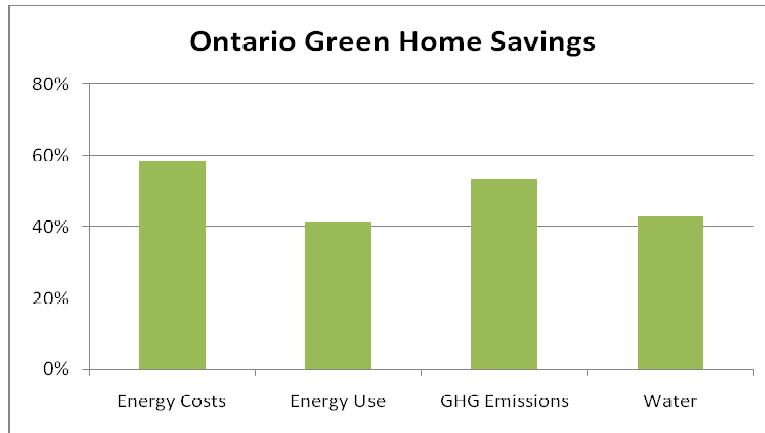


Fig. 2: Comparison to Ontario Building Code (OBC) built home (source: Mindscape Innovations / www.mi-group.ca)

Annual Consumption	OBC Home (Energuide 76)	Ontario Green Home (Energuide 85)	Reduction	Reduction %
Electricity	26,550 kWh	12,720 kWh	13,830 kWh	52%
Natural Gas	664 m ³	662 m ³	2m ³	0.2%
Energy Use	33,460 kWh	19,620 kWh	13,840kWh	41%
Energy Costs	\$3,230	\$1,370	\$1,860	58%
GHG Emissions	8.9 Tonnes	4.1 Tonnes	4.7 Tonnes	53%
Water	246,380 L	140,530 L	105,850 L	43%