



*Comfort for your lifetime.*

URBANDALE CONSTRUCTION

# What Net Zero Ready Means For You?

## What is a Net Zero Ready Home?

Net Zero Ready Homes are up to 80% more energy efficient than typical new homes. These homes are meticulously constructed, featuring enhanced insulation, high-performance windows, and superior airtightness to reduce heating and cooling demands to a minimum. Additionally, all appliances, lighting fixtures, and mechanical systems are chosen and installed for maximum energy efficiency.

## What is the difference between Net Zero Ready and Net Zero?

The Canadian Home Builder's Association's (CHBA) Qualified Net Zero Ready Homes are designed and built to meet the same efficiency standards as Net Zero Homes. The key difference is the absence of a renewable energy system on Net Zero Ready homes at the time of construction. However, these homes are strategically designed and constructed to easily accommodate the installation of a renewable energy system in the future.

## Why would you choose a Net Zero Ready Home over a Net Zero Home?

While renewable energy sources like solar involve an upfront investment, which may deter some prospective homeowners, opting for a Net Zero Ready Home offers a highly efficient living space that's primed for future upgrades. This means you can enjoy the benefits of an energy-efficient home now and seamlessly transition to a fully Net Zero Home when you're ready.

## What makes an Urandale Net Zero Ready home different?

In our ongoing dedication to crafting a sustainable future for homeowners and slashing energy costs while minimizing carbon footprints with Net Zero Ready Homes, we're committed to *higher standards*. Each Urandale Construction Single Family home is equipped with a 5 kW solar package that includes low-profile solar panels, propelling your Net Zero Ready home to further offset your energy expenses.



Future Proofing Your Investment  
Against Rising Energy Costs



Third Party Modeling & Verification



Air Tightness



Fresh Air & Humidity Control



Quiet Home



Energy Monitoring System



Peace of Mind



High Efficiency

# Our Net Zero Ready Higher Standards



Execon Roofing and Solar will evaluate your energy consumption after six months. Following this, a report will be provided to determine the size and feasibility of fully offsetting your home's energy usage.

Government programs to get access to interest free capital and grants for additional solar panels may be available, subject to eligibility criteria.

## Energized by Solar - The Urbandale Difference

Cost of living increases and climate change are two of the most challenging and anxiety causing issues we face today. Urbandale has chosen to empower homeowners to mitigate climate change while inflation proofing their home.

### There's comfort in higher standards

For all our Net Zero Ready single family homes we've increased this standard to a 5 kW solar package that includes low-profile black on black solar panels that produce 100% clean renewable electricity and look good while doing it.



#### 5 kW Solar Package

\*Generating 5kW & Saving you an estimated \$750+ /year



#### Critter Guard

Protecting your investment for long term sustainability



#### Power Inverter

Converts DC solar power to AC power used by the home



#### Bi-directional meter

Calculates "Grid credits" placing money back in your pocket



#### Designed For Growth

Offset your consumption further by adding additional panels



#### 25 Year Manufacturer Warranty

Enjoy peace of mind knowing your investment is protected

\*Energy costs at current rates. Image used for illustrative purposes only. Showcasing low-profile black-on-black solar panels. Panel arrangement may vary based on home selection, roof layout, and lot orientation. E & O.E. 04.22.2024

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# Urbandale Net Zero Ready Standard Home Features

## Your Home As A System



### 1. Cold Climate Air Source Heat Pump

Extract heat from colder ambient air more efficiently.

Specially engineered for harsh Canadian winters, ensuring consistent warmth even in extreme temperatures. Even in cold weather, Air Source Heat pumps extract heat from outdoor air during winter and transfer this warmth to the inside air. During the summer it will expel heat from the home for year-round comfort.



### 2. Hybrid Heat Pump Water Heater

Heat water using significantly less energy with ambient air temperatures

Harnessing heat from the surrounding ambient air into a converter that uses it to heat the water. During periods of high hot water demand, a switch to standard electric resistance heat is made automatically. Giving you quick recovery during these high use times, all while owning the water heater with no rental fees.



### 3. Energy Recovery Ventilation (ERV)

Maintain comfortable humidity levels throughout every season.

Regulates indoor air quality by recovering heat and moisture from stale air during winter, preheating incoming fresh air for added comfort. While, also maintaining optimal humidity levels year-round, reducing dryness-related discomforts, and enhancing overall indoor air quality.



### 4. Home Energy Monitoring System

Identify inefficiencies, optimize consumption, and reduce utility bills.

Empowers homeowners with real-time insights into energy consumption patterns. See how individual appliances affect your energy bills and receive practical and mindful recommendations on how to reduce costs. View data from where it's convenient for you; a smartphone friendly app will let you take control into the palm of your hand.



## A Safer Environment - Improved Air Quality



### 5. Energy Star Certified® Triple-Pane Windows

Lowering sound transmission while being thermal efficient.

Maximizes energy efficiency by insulating your home, keeping it warm in the winter and cool in the summer. Featuring a triple-pane design with gas-filled chambers for superior sound reduction and Low-E coating for UV protection, ensuring a quiet and comfortable living environment.



### 6. Urbandale Construction's Proud Foundation

Healthier basement spaces that are warm and comfortable.

We prioritize comfort and durability by insulating below and on the exterior of the foundation, ensuring warmer floors and a cozy atmosphere. Our exclusive Proud Foundation has a waterproof elastomeric coating, minimizing the risk of foundation cracks and moisture issues. Enjoy peace of mind, backed by a 30-year warranty against leaks.



### 7. Air Tightness

Keeping outdoor pollutants and allergens out of your home

Airtight homes offer more consistent temperatures, fewer drafts, and less condensation and mold. Contrary to common belief, being airtight doesn't require keeping doors and windows closed. As paired with our ventilation systems which expel damp air, reducing internal humidity levels. Proper ventilation not only decreases energy usage but also enhances comfort.



# EnerGuide Rating & Third-Party Verification by Certified Energy Consultants

## Why do I need an EnerGuide rating?

All homes at time-of-sale/time-of-listing must have an EnerGuide rating by 2050.

The Canadian Net-Zero Emissions Accountability Act, enacted on June 29, 2021, cements Canada's commitment to achieving net-zero emissions by 2050. This legislation mandates that every new home sale and time-of-listing for resale must include an EnerGuide rating. This standardized system offers invaluable insights into a home's energy performance, empowering homeowners to reduce energy consumption, lower utility bills, and minimize environmental impact. With an increasing focus on green initiatives and energy-efficient living, the EnerGuide rating serves as a crucial tool for creating comfortable, sustainable, and cost-effective living spaces.



Every **Net Zero Ready** home undergoes third party modeling and verification by a certified Energy Consultant from **Homesol Building Solutions**.

A blower door test is conducted as a device temporarily mounted in an exterior door frame. It works by either lowering or increasing indoor pressure of the home. This creates airflow through unsealed gaps, revealing areas of air leakage. Once completed, the home is given an EnerGuide rating.

See diagram to learn more or [click here](#) to visit the NRCan website for more information.

### LEARN ABOUT YOUR HOME'S ENERGY rating

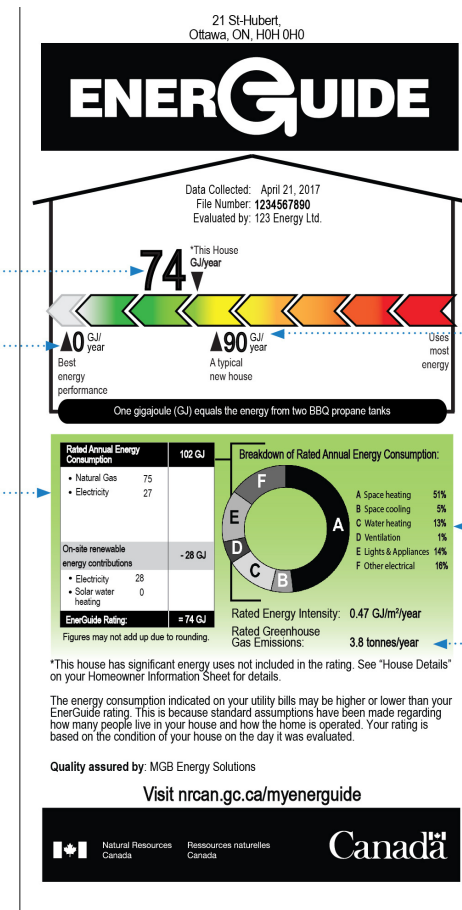
You will receive a rating of the home's energy consumption in gigajoules

### AIM TOWARDS zero

The lower the number on the new **EnerGuide** scale, the better the energy performance of your home

### UNDERSTAND HOW YOU USE energy

The label breaks down energy consumed by source



### COMPARE YOUR HOME'S performance

The label shows how your home's performance compares to a benchmark home

### FIND OUT WHERE MOST ENERGY IS consumed

The label shows proportion of energy consumed by heating, cooling, ventilation, etc.

### SEE YOUR IMPACT ON THE environment

The label shows your home's Greenhouse Gas Emissions