



Built Green
Built for Life®

TRIDEL
BUILT FOR LIFE

Tridel's Built Green Built for Life® program was founded on one simple truth: it was the right thing to do. Since starting on the path of sustainability in 2000, we realized it was not a task to be accomplished overnight; rather, it was a long-term objective that would provide a new benchmark for our continued growth and achievement.

As Corporate Social Responsibility and Sustainability have evolved, we have learned how difficult it can be to find credible suppliers and services that are truly "green" and sustainable. Ultimately, we concluded that becoming "green" is not so much about limiting choice as it is about learning innovative and alternative new technologies to be "green".

We are excited about all that we have accomplished with our customers but we also recognize that there is a lot more to do. Together, we have made a great start. For more information on Tridel's Green Program and sustainability initiatives, visit the Live Greener section on tridel.com. There we will answer common questions about making green choices. It also demonstrates the cost savings and health benefits you gain by contributing to your new community and the world beyond. These are just some of the added advantages of choosing a Tridel Built Green Built for Life® condominium.

ALTER™

Welcome to your new Tridel Community.

With the Green Guide, Tridel has created a value added program for our customers that is part of our education program. Although we have made recommendations in the Green Guide, ultimately all decision making is your own personal responsibility and privilege. ©Tridel 2018. *Tridel, "D" design, Tridel Built for Life, Tridel Built for Life & Design and Built Green Built for Life are registered Trademarks of Tridel Corporation. Project names and logos are Trademarks of their respective owners. All rights reserved. Illustrations are artist's concept only. Specifications subject to change without notice. E.&O.E. July 2018.

YOUR COMMUNITY'S GREEN FEATURES

Tridel employs a team of LEED® accredited professionals during planning, development and construction. They ensure your home meets or exceeds the necessary requirements in the seven categories outlined by the LEED® Program. Here's how our environmental view looks from Tridel's drafting tables to your community and your new home.

- You're "green" by design. By choosing a high-rise condominium you are building "up" not "out" and that generally allows for greater preservation of our green spaces
- Strategic location in an established neighbourhood gives you a range of local amenities and access to public transit, which also allows for less car dependency
- Preference for construction materials with higher volumes of recycled content
- Tridel recycles or diverts at least 75% of construction waste from landfill for other uses
- Tridel designed your building envelope to have an engineered glass to wall design ratio to optimise energy performance and minimize heat losses, while maintaining spectacular views
- High efficiency heating and cooling systems such as boilers, chillers and energy recovery ventilation
- Carbon Monoxide sensors in the underground parking levels exhaust air as required, reducing exhaust fan energy use by approximately 70%
- Bicycle storage conveniently located within the parking garage to encourage alternative transportation
- High efficiency lighting in underground parking and common areas
- Electric charging stations for the conscientious car owner available in the underground parking levels for your new community
- Accessible and convenient recycling facilities with the installation of a tri-sorter disposal chute on each residential floor
- Alter is designed to be at least 40% more energy efficient than a building designed to the Canadian Government's Model National Energy Code for Buildings (MNECB)
- Each Tridel Built Green Built for Life® green building reduces water consumption by approximately 40%
- Alter is designed to reduce carbon emissions by 1200 tons per year compared to a typical building designed to the MNECB
- Alter has a Green Roof that will reduce storm water runoff and manage water use, eliminating irrigation equipment for the green roof

Alter is a LEED® candidate for certification, registered with the Canada Green Building Council (CaGBC).

YOUR HOME'S GREENNESS

- Sub-metering of electricity, space-heating and cooling and hot water usage so you can control costs
- Double-glazed windows with low E coating to reduce heating and cooling costs
- High pressure, low flow showerheads and faucets to reduce water consumption
- Dual flush water efficient toilets
- Front-load washing machines which use less water and less energy
- Energy Star appliances to reduce energy
- In-suite light fixtures designed to fit long lasting, energy saving compact fluorescent lights
- Low VOC (Volatile Organic Compounds) paints, adhesives and sealants to reduce off gassing and improve indoor air quality
- Adhesive-free, easy maintenance, hard surface flooring also reduces off-gassing in your home
- An in-suite ventilation and exhaust system with energy recovery to capture heat and energy from bathroom exhaust and reduce heating and cooling costs



SUB METERING AT ALTER

One of Tridel's core values is innovation. Having embraced advances in design and technology, Tridel was an industry leader in helping drive the evolution from shared utility costs in residential buildings to individual suite metering.

Every home in your community is equipped with individual meters to record each homeowner's thermal, electricity and hot water consumption. This is a big change from a decade ago, when utility costs were charged based on the square footage of your home, not on your actual use. With energy prices on the rise, homeowners are now responsible for their own energy and water consumption.

Utilities purchased by your Condominium Corporation are approximately 8% to 14% lower in cost than those for a typical single family home and these savings are passed on to you. For even more control, your energy bills can be viewed online at www.pemi.com. This online access allows you to track your daily, monthly and annual energy consumption, giving you an accurate picture of your usage and hopefully, the ability to affect even greater cost savings.

SO WHAT METERS ARE IN MY HOME?

1. THERMAL

Thermal meters measure the overall consumption of energy associated with heating and cooling your home. Integrated as part of your overall building system, energy costs are allotted based on use and not on square footage.

2. ELECTRICITY

Smart meters allow you to measure electricity based on consumption and time of use. Should utilities in the province move to tiered pricing structures to reflect peak and off-peak electricity costs, residents will potentially benefit from shifting their demand loads from mid-day in the summer time, lowering their energy costs and reducing the building's overall carbon footprint.

3. WATER

Hot water is metered in your building, providing you with the ability to control your consumption as water costs have been rising steadily over the last decade, a trend which is expected to continue*.

*source: City of Toronto 2017.



INTEGRATED FANCOIL WITH ENERGY RECOVERY VENTILATION

INSUITE VENTILATION & ERV

Your Insuite Energy Recovery Ventilator or ERV is an integral part of your home's ventilation design. This new and innovative Integrated Fancoil unit system (IFCU) is becoming common place in Tridel's residential condominiums. Simply put, this unit allows the delivery of fresh outdoor air directly into your home through the vertical fancoil unit, while recovering 60%-70% of the energy of your outgoing air.

Each home at Alter is designed with an individual Fancoil unit with an integrated ERV core. This ERV core is designed from a special membrane that only allows the transfer of heat and moisture from one airstream to the other while blocking the transfer of contaminants. For extra protection of your indoor air quality, this special ERV core is coated with a material, called "Microban®", which helps prevent growth of bacteria and mold on the surface of the ERV core.

HOW DOES IT WORK?

FRESH OUTDOOR AIR is distributed throughout your home
STALE AIR is expelled

Simply stated, waste energy from stale air is used to warm up incoming air in winter and cool down incoming air in summer while recovering energy from the departing airstream and ensuring better indoor air quality.

In winter, as warm, stale air is exhausted from your home, the heat from this exhausted air stream is used to warm the fresh, cold incoming air before it is distributed around

the home. Without ever actually mixing, outbound stale air transfers energy to incoming fresh air.

In summer, the cooler, conditioned air stream exhausted from your home is used to cool the warm incoming fresh air, reducing the amount of air conditioning energy required to cool your home's fresh air supply. The ERV also helps to transfer the moisture from the incoming fresh air to the outgoing stale air, further reducing your energy bills and increasing comfort.

ERV CONTROL

ERV units are controlled by a wall mounted Decora switch. The control switch is located inside the ensuite and in suites with two washrooms, there is a second control switch in the powder room or guest washroom.

ERV Controller:

The ERV built in your fancoil unit runs continually at low speed, thus ensuring the minimum amount of outside ventilation air is always delivered into your living space. When an increased amount of outside air is needed, the wall switch offers three options to switching the ERV to a higher volume of outside air for the duration corresponding to the number on each button:

20 Minutes - recommended when the washroom is in use.

40 Minutes - recommended when the shower is in use.

60 Minutes - recommended when cooking.

When on vacation or for general household activities no option is required to be selected.



BENEFITS

1. Improved Indoor Air Quality IAQ

Indoor air can be 2-5 times more polluted than your outdoor environment*. The ERV continuously exchanges the air in your home, exhausting stale air from the bathrooms and replenishing with fresh outdoor air. This continuous ventilation improved IAQ by constantly removing pollutants from your home.

3. Cost Savings

The combined benefits of independent control and improved IAQ, also offers you cost savings. The ERV works on the principle of exchanging energy between outgoing and incoming air. As ventilation is the single largest energy load in a high-rise residential building, the ERV now works to save 60%-70% of this energy on an ongoing basis.

*source: www.epa.gov/iaq/schooldesign/hvac.html

2. Independent Control

Each ERV unit provides the full ventilation requirements to your home, allowing your suite to operate completely independent of your building. Your front entry door is also sealed with weather stripping, separating it from the corridor and other suites. Homeowners also have full control in operating their ERV's at multiple speeds for increased ventilation requirements.

