



## The features and benefits of fossil fuel free living.

### **1** Solar panels generating on-site renewable energy

Through absorbing sunlight, solar panels convert the energy from the sun into usable energy in your home. The use of solar panels helps to reduce the emission of greenhouse gases, as solar energy requires no burning of oil, coal or any other fuel. Additionally, since the panels generate energy from the sun, it can cut significant costs on electric bills.

### **2** Energy recovery ventilator

Through reuse of air from the HVAC (heating, ventilation and air conditioning) system to preconditioning new air coming in from outside, energy recovery ventilators help to reduce energy consumption and utility costs. Additionally, energy recovery ventilators improve home ventilation by improving indoor air quality.

### **3** High-efficiency heat pump

All electric, high-efficiency heat pumps are some of the most effective technologies for heating, cooling and decarbonizing, especially since the industry is moving toward electric technologies. They are efficient and environmentally-friendly, since they provide more energy in the form of heat than they use in the form of electricity. Even at very low temperatures, heat pumps can provide three times more heat than alternative options.

### **4** Low VOC paint

VOC are organic chemical compounds which can have negative effects on human health. Low VOC paint helps to reduce negative implications on both the environment and human health. Additional benefits to low VOC paint include a reduction in allergy-causing toxins, easy-to-clean, and non-yellowing.

### **5** High performance building envelope

High performance building envelope helps protect the building and those who occupy it from the elements through superior insulated wall assemblies. These wall assemblies help to increase comfort and reduce energy consumption by preventing exterior air from leaking into the building. Due to reduced energy consumption, they help cut energy use and utility costs.

### **6** Triple glazed windows

With three panes of glass built-in, triple glazed windows help reduce energy costs and increase home comfort. As compared to double glazed options, the extra pane of glass in triple glazed windows provides an additional barrier against the outdoor elements, creating space to trap warm air. The additional gap between the panes makes it more difficult for energy to move through the window, reducing heat loss and helping to cut energy consumption and utility costs.

### **7** Heat pump dryer

Heat pump dryers are extremely energy efficient, as they recycle heat that is being used to dry garments, while extracting moisture. Because of all the energy being saved in the drying process, these machines are less expensive to run, using approximately half the energy of alternative options. In addition to their energy efficiency, heat pump dryers have sensors to detect moisture, meaning garments are dried more consistently and the process is less abrasive.

### **8** Low flow faucets (kitchen/bathroom sink/shower)

Low flow faucets are a sustainable, eco-friendly measure which can help homeowners save significantly on utility costs by reducing water consumption. This is achieved by lowering the flow rates of faucets and showerheads which can save thousands of gallons of water per year. However, just because they use less water doesn't mean the water pressure is compromised. Using sustainable technologies, the faucets and showerheads are able to provide strong water pressure with excellent temperature control.

### **9** Single flush low consumption toilets

Low consumption toilets significantly reduce the amount of water required to channel waste through the plumbing system and away from your home, saving a significant amount of water. Single flush simply means that there is one flush feature for all types of waste. These toilets help homeowners to save significantly on utility costs while aiding water conservation efforts.

### **10** Energy efficient LED ceiling light fixtures

Energy efficient LED lighting is much more energy efficient than traditional alternatives, achieving energy savings of 30% to 90%. These light fixtures are maintenance free, typically lasting for many years. They also deliver better lighting quality and visibility than their traditional counterparts.

### **11** Insulated metal main entry door

Insulated metal main entry doors are at the forefront when it comes to energy efficiency. They help reduce energy consumption and utility bills by preventing the outside weather from penetrating into the home. Metal entry doors are also extremely durable, as they have the highest tolerance for repelling elements such as rain, wind and snow.

### **12** Drain water heat recovery

Drain water heat recovery pipes are a technology that help save energy used to heat water, providing more hot water compared to the same amount of energy produced in alternative systems. Preheating water that is going into the hot water tank takes advantage of the warm water flowing down the drains. The amount of energy needed to heat water to the set temperature is reduced. With this system, warm water from showers are reused, helping to reduce energy consumption and, as a result, utility bills.

### **13** Fully wired electric vehicle charging, complete with SAE J1772 connector

Field House EcoUrban Towns supports those attempting to reduce their carbon footprint by driving electric vehicles. The parking facility features SAE J1772 connectors, which is the standard connector for electric cars.