

**TOWNHOME
SUSTAINABILITY FEATURES**

**love the sun both
outdoors and in?**



Net-Zero Townhomes

Living in a townhome at MPV2 means you are living fossil fuel-free. Using an all-electric system eliminates the burning of fossil fuels for heating and hot water production and dramatically reduces the carbon emissions associated with your home. A Net-Zero home generates as much energy as it uses over the course of a year, achieved through enhanced energy efficiency and rooftop solar panels that produce clean, renewable energy.



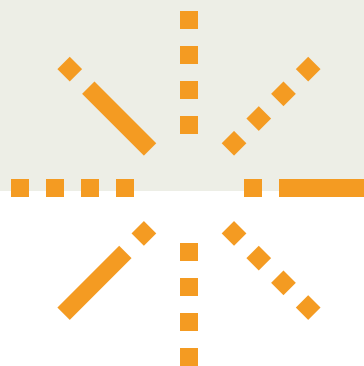
All-Electric Heating and Cooling

Electric air source heat pump technology provides energy efficient heating and cooling.



Solar Panels

The condominium townhomes utilize solar panels to collect clean renewable energy from the sun and convert that into electricity. Solar power reduces carbon dioxide emissions and improves air quality. Beyond reducing the environmental impact of your home, solar power gives you control over your electricity and offsets energy costs.



Energy Recovery Ventilator (ERV)

An energy-efficient fresh-air supply system that draws fresh, outdoor air into your home, while exchanging heat and humidity with the stale exhaust air to ensure comfortable indoor conditions are maintained.



Ventless Heat Pump Dryer

A highly effective dryer that utilizes an energy efficient refrigerant system to remove moisture from clothing, saving up to 2/3rds of energy costs. The elimination of the duct to the exterior improves the air tightness seal and thermal comfort of your home.



Water Efficient Plumbing Fixtures

Reduces water consumption while maintaining pressure and lowering utility bills.



Enhanced Performance of Walls & Roofs

Increased insulating performance of roofs and exterior walls reduces drafts and decreases the load placed on heating and cooling equipment, which contributes to energy and cost savings.



Sub-Metering of Electricity and Water

Individual utility metering promotes conscientious consumption and reduces long-term maintenance fees.



ENERGY STAR® Appliances

ENERGY STAR® is a certification program managed by Natural Resources Canada. ENERGY STAR® certified products are tested and certified to meet strict specifications for energy performance.



40/60 Window to Wall Ratio

A strategic combination of glazing and opaque walls provides ample natural light while optimizing thermal performance.



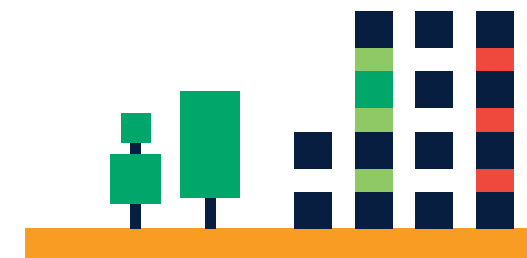
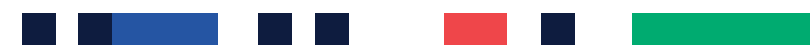
LED Lighting in your Home

LED lights draw significantly less power than the typical light bulb which reduces energy consumption and utility costs.



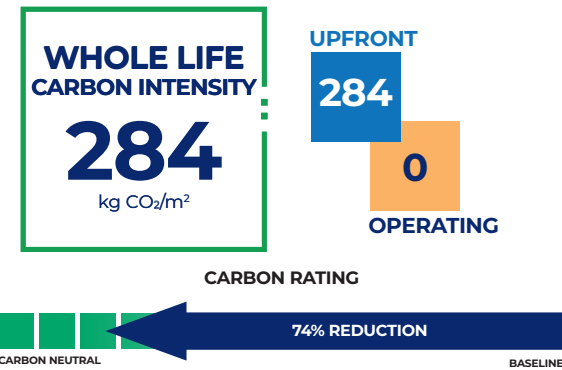
Triple Glazed Windows

Provides an additional pane of glass, which increases energy efficiency and reduces noise, greatly enhancing the comfort of your home and lowering energy costs.



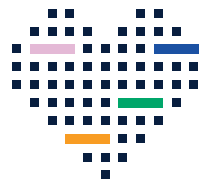
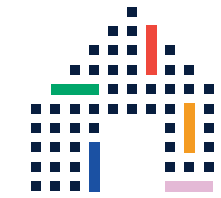
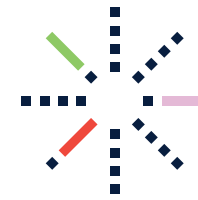
carbon label

Daniels
MPV2 TOWNHOMES
 An EcoUrban Community
 GENERATION 1



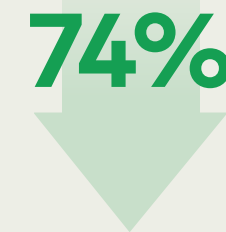
CARBON IMPACT BREAKDOWN
 kg CO₂/m²

	EMISSIONS	% CHANGE*
UPFRONT	284	1%
Concrete	142	0%
Rebar	54	0%
Enclosure	52	+6%
Other	36	0%
OPERATING	0	-100%
Heating	16	-96%
Cooling	5	-86%
Hot Water	14	-94%
Other (incl. Solar)	-35	-129%



WHOLE LIFE CARBON INTENSITY

The townhomes have a 74% lower carbon footprint than a baseline townhome community.

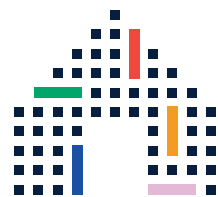
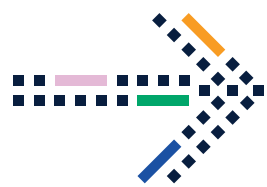


UPFRONT CARBON DRIVERS

The scope of upfront carbon includes the structure, foundation and enclosure. Although the structure above grade is wood—a renewable, low-carbon material—the majority of upfront carbon emissions come from the underground parking structure which is constructed from reinforced concrete. The enclosure has slightly higher emissions than the baseline design, due to enhanced triple glazed windows.

OPERATING CARBON DRIVERS

The townhomes have a Net-Zero operating carbon footprint due to significant reduction in heating, cooling and hot water energy use from energy efficient appliances and an enhanced thermal enclosure. The energy which is consumed is then entirely offset by on-site energy generation from the rooftop solar panels.



*As per Daniels Emissions Baseline, details can be found in Daniels Decarbonization Roadmap.
 Carbon emissions intensities are projections based on energy and lifecycle assessment modeling of Daniels communities during design; methodologies can be found in our Decarbonization Roadmap.

EQUIVALENT TO...



208,339 KM
 DRIVEN BY
 PASSENGER VEHICLES

OR

160
 ACRES OF FOREST
 CARBON STORAGE

