



ONTARIO'S FIRST NET ZERO COMMUNITY

Rick Gooyers, EVP Construction and Asset Innovation

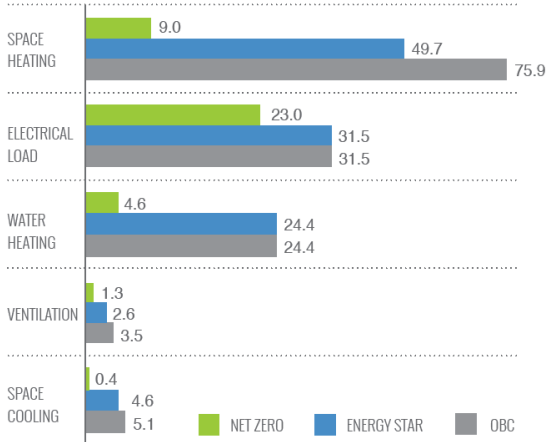


Experience. The Difference.™



NET ZERO HOME

ENERGY CONSUMPTION



NET ZERO CONSUMPTION 38 GJ/yr



NET ANNUAL ENERGY 0 GJ

BUILDING ENCLOSURE

Air Barrier

Exterior Foam Sheathing and Spray Polyurethane

Framing

2x6 @24" o.c.

Insulation

Ceiling | R70 Blown-In

Main Walls | R15 Exterior Foam + R24 Batt

Foundation Walls | R12 Interior Foam + R20

Basement Slab | R12 Foam

Windows and Doors

Dashwood Triple Pane | R5+, <0.5 SHGC

MECHANICALS

Heating and Cooling

Lennox | Gas Furnace w/ Air Source Heat Pump

Water Heating

A.O. Smith Voltex Heat Pump Water Heater

Ventilation

VanEE 90H-V ECM ERV

RENEWABLE ENERGY

Photovoltaic System

98 x 100 W IST SunTegra Shingles

Electrical Storage Capacity

N/A | Net-metered Installation



NET ZERO HOME-
Learnings

HVAC sizing
Electrical codes on micro
grid
Integrated shingle



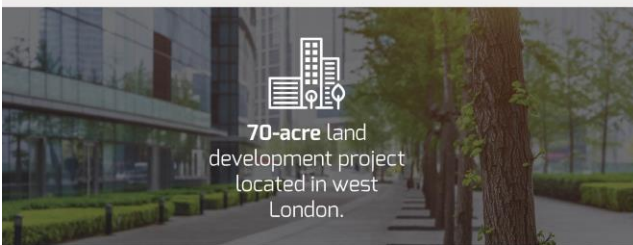
Exciting. Smart. Innovative

A radically progressive project with a focus on renewable energy and environmental sustainability.

West 5 is the most innovative and leading-edge project in the history of Sifton Properties.

Our buildings are designed to be extremely energy-efficient with sustainable 'green' technology that will be embedded in the community's infrastructure.

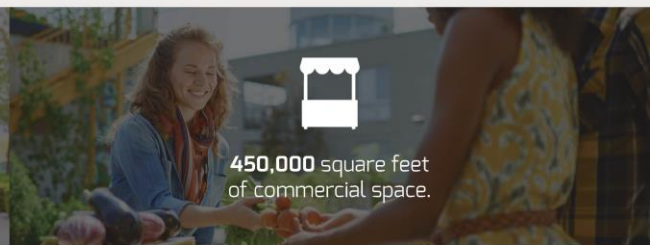
People will re-connect with their neighbours in a community that is safe, walkable, and pedestrian-focused. They will re-engage with the environment through a neighbourhood that will be entirely **powered by the sun**.



70-acre land development project located in west London.



Over **2000** individual residential units.

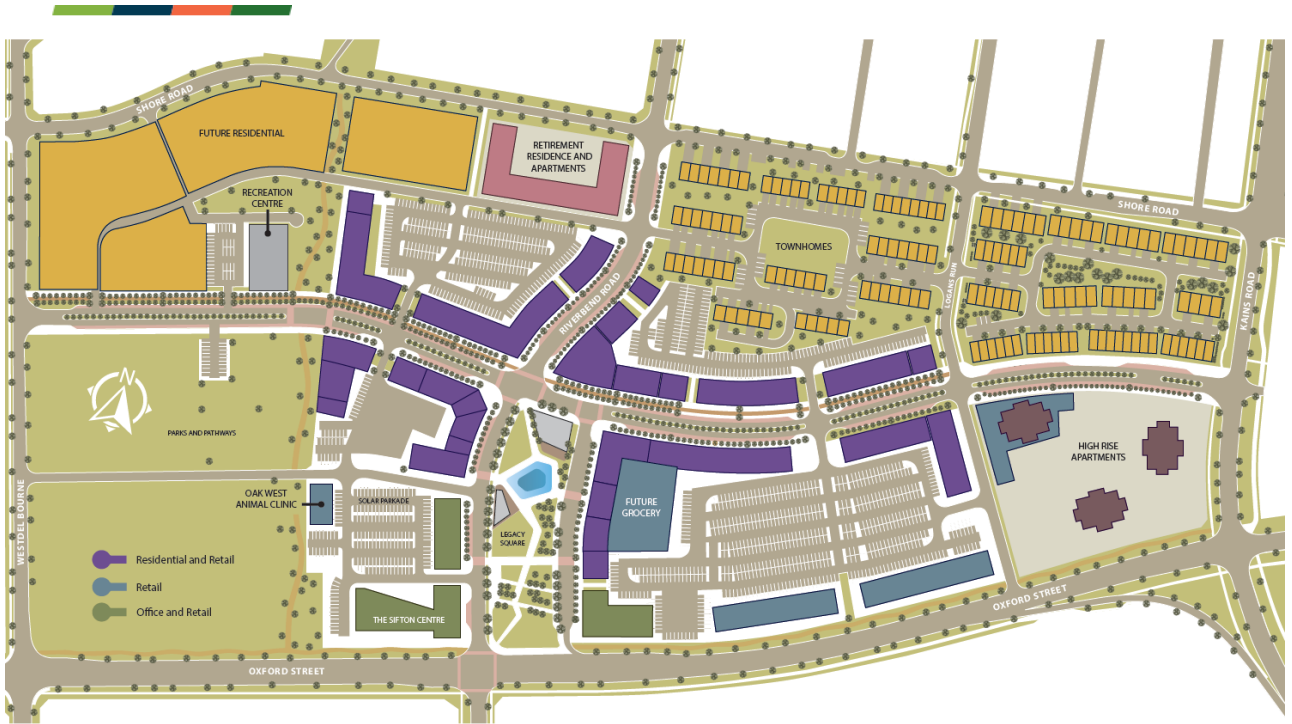


450,000 square feet of commercial space.



100,000 square feet of office space.

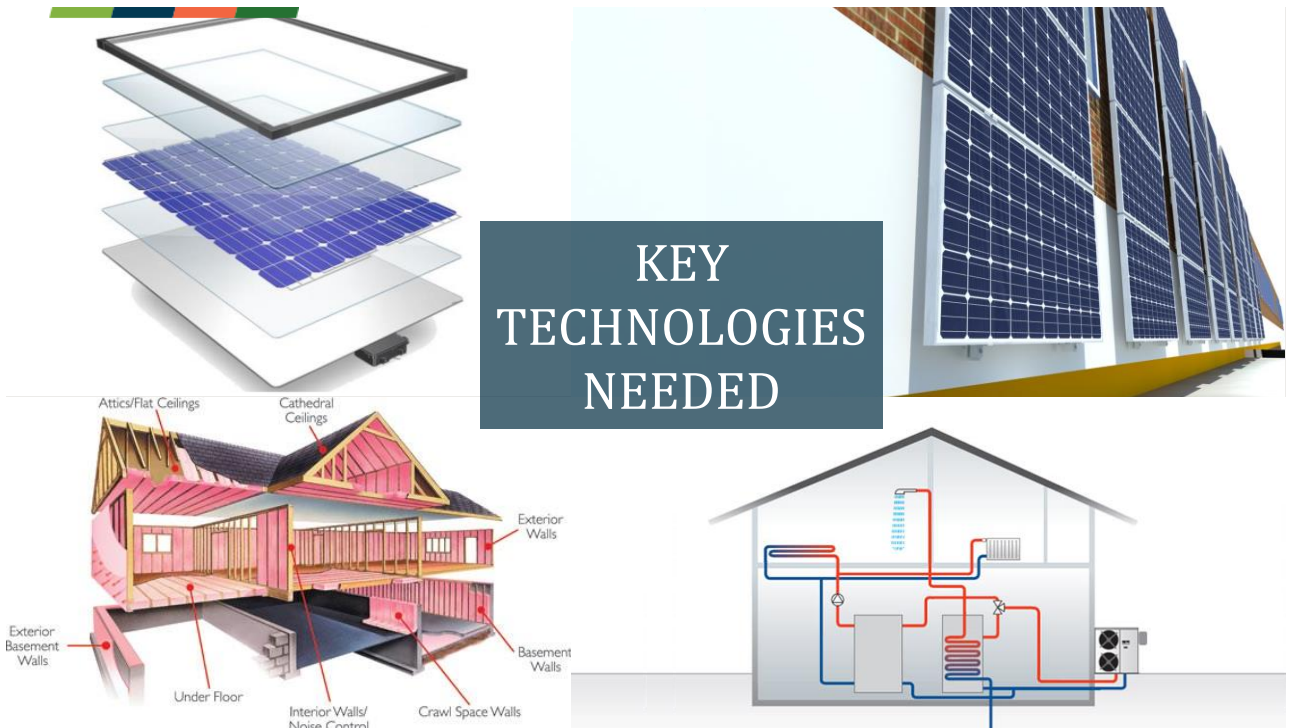
EVERYTHING THAT MATTERS IN ONE REVOLUTIONARY PLACE.













Further Development Required:

- Working with DC Power where possible
- Hydro Net Metering
- HVAC Technologies
- Glazing Technologies



Planning that needs to change:

- Urban Design Guidelines
- Electrical Codes
- Ashrae lighting requirements
- Grid connections

THINK
OUTSIDE
THE
BOX

EDUCATION

FUTURE



Experience. The Difference.™