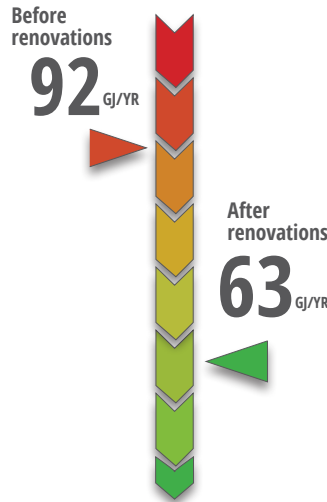


Renovator Steve Snider Construction

Service Organization EnerQuality Inc.

Energy Advisor Angela Bustamante, Building Knowledge Canada

Net Zero Pilot Home Uxbridge, ON (Climate Zone 6)



NET ZERO RENOVATIONS PILOT HOME POST-RENOVATION DETAILS

BUILDING ENCLOSURE

Windows:

PELLA Windows Triple Glazed, UV1.2, SHGC 0.23

Walls:

2x6 @ 16" R24 BIBS + R5 EPS

Ceiling:

R70 blown-in attic

Foundation:

Offset framing, 5" closed cell spray foam

Envelope:

34% better than NRCan reference house

Airtightness (ACH @ 50 Pa):

Pre-reno 2.96 → Post-Reno 0.8

MECHANICALS

Fuel Source:

Dual Fuel

Heating & Cooling:

Tempstar ASHP & Keeprite Natural Gas Furnace

Water Heating:

Natural gas boiler / radiant infloor

Ventilation:

Lifebreath 130ERVD

RENEWABLE ENERGY

PV System:

16.3 kW modelled PV array

Energy Monitor:

Blue Line Innovations



Testimonial

"Our clients discovered a re-sale bungalow on a desired property that we agreed would be suitable for their renovation. Their official request was, 'We want this home to be as comfortable as the Net Zero ready home you built for our friends'. Challenge accepted! Armed with the knowledge of good building science, proper HVAC selections and an efficient airtight building envelope, we were able to increase the living space by 1276 sqft while lowering the energy consumption substantially and improving the home's comfort level. When asked how they liked their new home the response was, 'It just feels good.'" - Stephen Snider

* *Utility cost savings based on Energuide energy profiles and assumes the following utility rates: Natural Gas: \$0.31/M³ 22/month admin. Electricity: \$0.13/kWh plus \$22/month admin. Plus HST.