

BUILDER BK Cornerstone

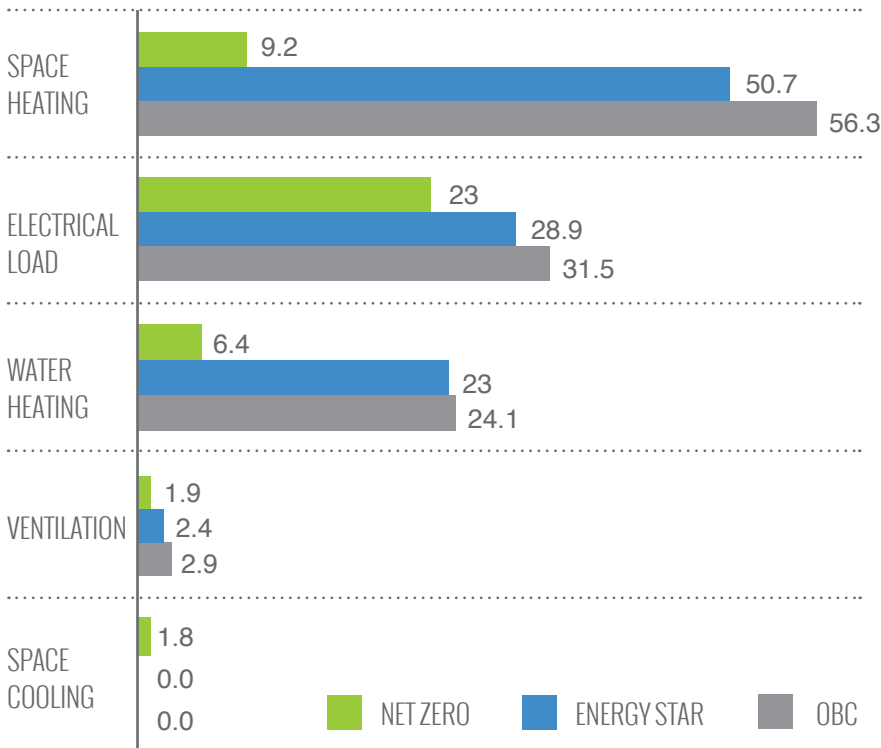
MODEL Custom | Klundert Residence

TECHNICAL STANDARD CHBA Net Zero Energy Pilot Technical Procedures

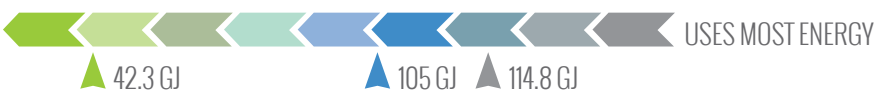
PROGRAM Union Gas Optimum Home



ENERGY CONSUMPTION



NET ZERO CONSUMPTION 42.3 GJ/yr



NET ANNUAL ENERGY - 8.3 GJ

BUILDING ENCLOSURE

Air Barrier

Owens Corning FOAMULAR® CodeBord™ Air Barrier System

Framing

2x6 @24" o.c.

Insulation

Ceiling | R60 Blown-in
Main Walls | R10 Exterior Foam + R22 Batt
Foundation Walls | R10 Interior Foam + R20
Basement Slab | R10 Foam

Windows and Doors

North Star Triple Pane | R4.5+, < 0.4 SHGC

MECHANICALS

Heating and Cooling

Armstrong Air | Gas Furnace w/ Air Source Heat Pump

Water Heating

A.O. Smith Voltex Heat Pump Water Heater

Ventilation

Venmar ERV

RENEWABLE ENERGY

Photovoltaic System

40 x 250 W PV Panels | 50.5 GJ/yr

Electrical Storage Capacity

N/A | Net-metered Installation