

BUILDER Sifton Properties

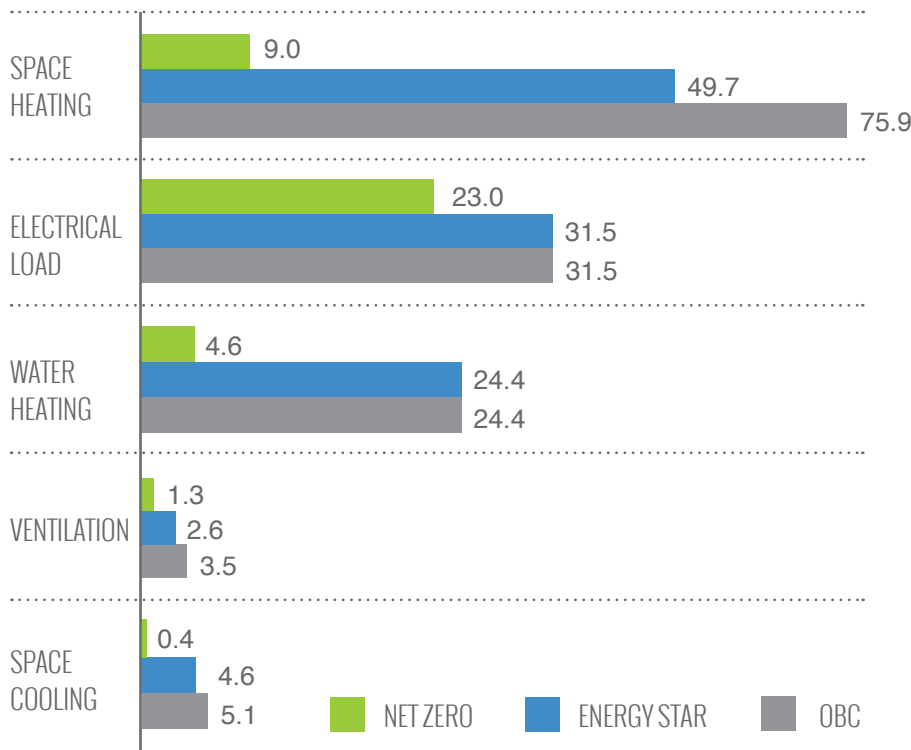
MODEL Dogwood

TECHNICAL STANDARD R2000 Net Zero Energy Pilot Technical Procedures

PROGRAM Sifton Net Zero Discovery 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 Batt

Basement Slab | R12 Foam

Windows and Doors

Dashwood Triple Panel | 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