

BUILDER Reid's Heritage Homes

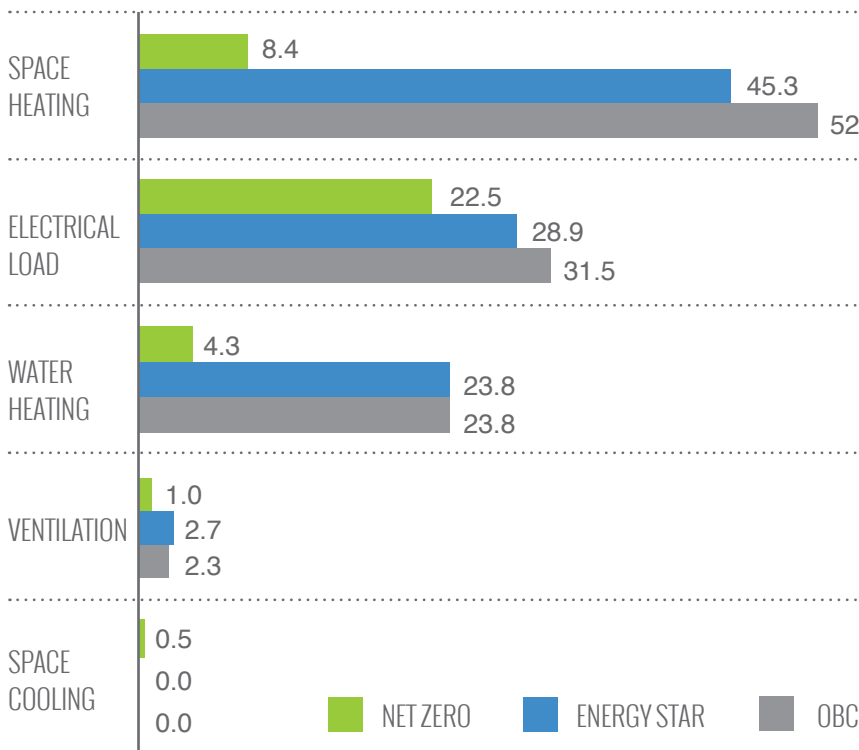
MODEL Townsend Craftsman A

TECHNICAL STANDARD R2000 Net Zero Energy Home

PROGRAM ecoENERGY Innovation Initiative



ENERGY CONSUMPTION



NET ZERO CONSUMPTION 36.7 GJ/yr



NET ANNUAL ENERGY - 1 GJ

BUILDING ENCLOSURE

Air Barrier

Owens Corning FOAMULAR® CodeBord™ Air Barrier System

Framing

2x6 @24" o.c. | Optimal Value Engineering

Insulation

Ceiling | R60 Blown
Main Walls | R15 Exterior Foam, R24 Batt
Foundation Walls | R10 Foam, R22 Batt
Basement Slab | R10 Foam

Windows and Doors

Jeld-Wen Triple Glazed IGUs | R5+, <0.2 SHGC

MECHANICALS

Heating and Cooling

Mitsubishi CITY MULTI VRF Heat Pump PUMY-P36

Water Heating

Rheem Hybrid Heat Pump HB50RH

Ventilation

VanEE 90H-V ECM ERV

RENEWABLE ENERGY

Photovoltaic System

33 panels | 255W Polycrystalline Modules

Electrical Storage Capacity

3 day battery storage capacity | 20 kWh/day