



TC Legend Homes LLC

Bellingham Power House | Bellingham, WA



PROJECT DATA

- **Layout:** 4 bed, 3.0 bath, 2 fl, 2781 ft²
- **Climate:** 2021 IECC Mixed Marine
- **Category:** Custom

Modeled Performance Data

- **ERI:** with PV -12

TESTIMONIAL

With its airtight shell, structural insulated panel (SIP) construction, numerous south-facing windows, highly efficient heat pump, this one-of-a-kind house, which we've nicknamed the Powerhouse, has no electrical bills and costs nothing to heat. No oil, natural gas, or other fuels are used. The 10 kW solar panel array ... will not only ... power the home, but will produce enough of a surplus to charge two electric cars on site.

- Ted Clifton, homeowner and builder, TC Legend Homes

KEY FEATURES

- Air-to-water heat pump
- All-electric home
- Energy / Heat recovery ventilator
- Electric Vehicle Charger Installed or Wired for Charger
- Insulated concrete form (ICF) walls and/or foundation
- Photovoltaics
- Structural insulated panel (SIP) walls or walls and roof
- Triple-pane windows
- Unvented insulated attic
- ACH 50 < 2.5 or CFM50/SF of enclosure ? 0.25

CONTACT

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<https://tclegendhomes.com/>



U.S. DEPARTMENT
of **ENERGY**

Office of Critical Minerals
and Energy Innovation

For more information on the DOE Efficient New Homes program:

<https://www.energy.gov/eere/buildings/doe-efficient-new-homes-program>