



2016

Company: Daystar Builders

Submitted by: Daniel Paul, daystar@conknet.com, [603-582-1426](tel:603-582-1426)

Challenge: Energy conservation and affordable answers – zero-net energy design build

Approach: 37 years development of energy innovation in new and restoration building. Net zero principals and design build.

Impact: affordable, individualized assessment, design and build New England new and historic home Deep Energy Retrofits. In 2015 NH experienced a more than typically cold Northeastern winter. We were building a net zero home for a wonderful client in New Boston. The house was just completed with water on and no heat source up and running with no one on site from mid-January thru the first week in February. Nights had been mostly below Zero with several nights Double Digits below zero. When the house was finally visited at the end of the first week in February, after a night which had been 14 below, the temperature inside was 52F. This is a very high performing Grid-Tied Zero Net Energy Home extremely well built with a heavy use of Lumber from our certified tree farm 19 miles away. It is Affordable as the project was completed at a total cost of \$143/S.F. Zero Net Does Not have to be for the fortunate few, but clearly should be the standard of the land.