

STEP TO A "ZERO ENERGY READY HOME"

How Habitat for Humanity of Summit and Wasatch Counties
is building homes of the future today!

STEP #1: DESIGN & ENERGY ANALYSIS



1 WHAT IS ENERGY ANALYSIS?

Energy analysis software helps builders identify strategies to build a Zero Energy Ready Home and also estimates the long term operational savings for the occupants. The results impact the design and operation of the building to achieve maximum energy savings.



2 START DURING DESIGN

It is crucial that energy analysis begin as soon as the architect creates preliminary designs. Energy analysis that is incorporated early into the design process can help inform decisions, like insulation values and the selection of heating and cooling systems.



3 COMPARE AND CONTRAST OPTIONS

The energy analysis process allows you to compare the energy impact of different design choices. Variations in roof direction, window placement and insulation options can be easily changed in the design phase to optimize energy savings.



4 MINOR CHANGES MAKE BIG ENERGY SAVINGS

Energy analysis often identifies numerous small changes to specific building elements including air sealing, heating and cooling systems, insulation and window selection. Utilizing a modeling tool allows you to leverage a suite of elements that when combined, result in a cost-effective, Zero Energy Ready Home.



5 LOCK-IN ENERGY AFFORDABILITY

Energy analysis helps identify priority strategies for efficiency innovations to help lock-in energy affordability for the homeowner. The cost for residential energy analysis varies depending on level of detail needed.

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