

# STEP TO A "ZERO ENERGY READY HOME"

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

## STEP #4: EFFICIENT APPLIANCES & LED LIGHTING



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### STICK WITH ENERGY STAR

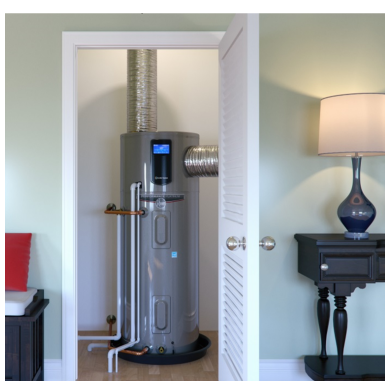
Appliances and lighting can account for up to 50% of a home's energy load, which is why ENERGY STAR appliances and LEDs go hand-in-hand with Zero Energy Ready homes. ENERGY STAR-labelled appliances should be used throughout, but there are also a few key appliance decisions that will make a big impact on a zero-energy ready home.



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### INDUCTION STOVE TOPS

An induction stove is the best choice for a zero energy home. They are energy efficient and can be even more efficiently than a standard electric stove. Essentially, induction cuts out the intermediate step of heating up a burner and then transferring the heat to the pot.



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### HEAT PUMP WATER HEATERS

Heat pump technology is also available in storage water heaters today. A heat pump water heater is an efficient option that doesn't burn fossil fuels and can be scheduled to heat water during times when rooftop solar arrays are generating pollution-free power! Look for a unit that is "demand response" ready so it can interact with the electric grid to conserve peak power demand.



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### HEAT PUMP DRYERS

If you can't rely on drying laundry outside, and need a dryer, purchase a heat pump condensing dryer. These dryers get more heat from each unit of electricity than a typical electric dryer, typically saving 50 to 60% on energy costs.



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### PROTECT AGAINST PHANTOM LOADS

Many homes have dozens of different electronic devices and many have "phantom loads" which means that they use electricity even when turned off, but still plugged in. Reduce phantom loads by using power strips or "smart strips" that automatically cut power to devices not in use. New smart switches and apps are available that can control much of a home's energy remotely!



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### EFFICIENT LED LIGHTING

Last but not least, LED lighting should be used for 100% of the fixed lighting throughout the house. LEDs are available for very nearly every lighting type, including a variety of specialty bulbs. They use 90% less electricity and last 35 - 50 times longer than incandescent light bulbs.