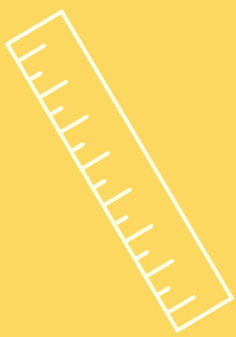




# How to design a net-zero energy home or ADU

## Passive Design

*Take advantage of the sun, the shade, and the wind for natural climate control.*



Take measurements: sun, shade, wind, temperatures, etc.



Plan for all seasons

Use materials that store and radiate heat, like concrete and stone

Use efficient windows, doors, and insulation



Use the essentials:  
-airtight construction  
-good glazing  
-thermal-bridge-free detailing

## Active Systems Design

*Find the right fit: Use the most efficient active HVAC system that fits the home and property.*



Plan for efficient heat recovery



Use tech like a smart thermostat

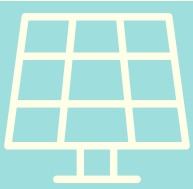


Tailor your system to your climate

Leverage economies of scale: How many rooms can you regulate with one climate control system?

## On-site Energy Generation

*Make your own renewable energy, and you won't have to buy it from an outdated, polluting system.*



Select solar panels that fit, are durable, and perform well



Create and balance your energy budget



Sell excess energy back to the grid or use it to power another home on your property



Get a battery to store energy