

# Reinventing Residential New Construction Programs

## A PATH TO ZERO NET ENERGY

**A program redesign initiative**  
**Sponsored by the California Investor-Owned Utilities**  
**Conducted by TRC Energy Services**

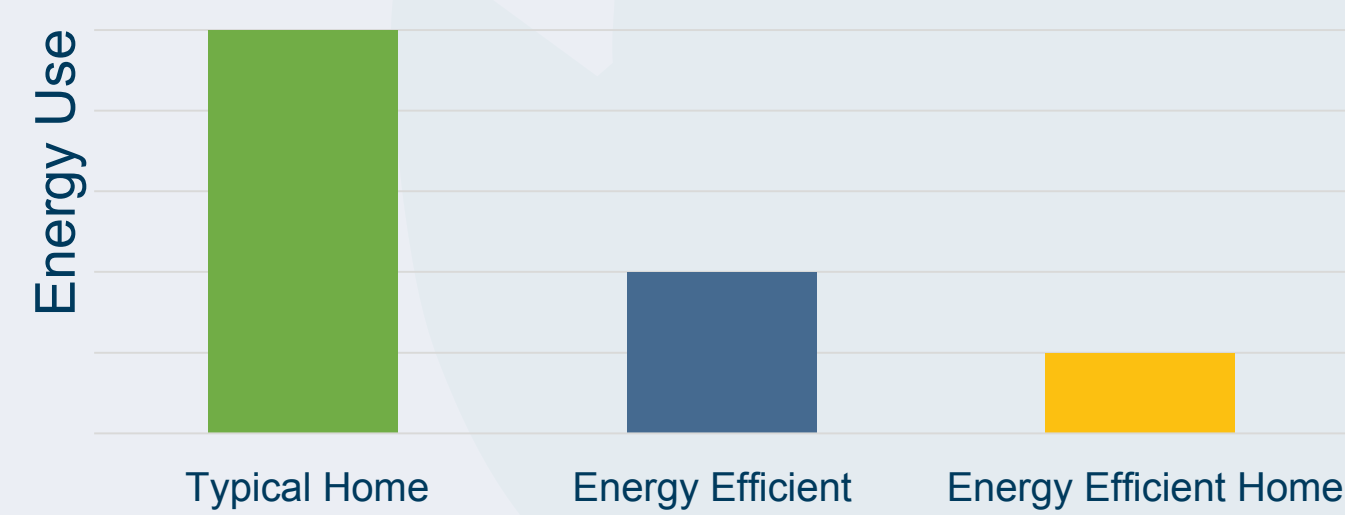
### WHY A REDESIGN?

- (1) **Align with California 2020 Zero Net Energy (ZNE) Residential Goals**
- (2) **Correspond with the 2013 California Energy Code adoption on July 1, 2014**
- (3) **Enhance coordination among ZNE stakeholders**

**[ % Better than Code ]**  
**THE PREVIOUS METRIC**

#### Does not align with ZNE goals

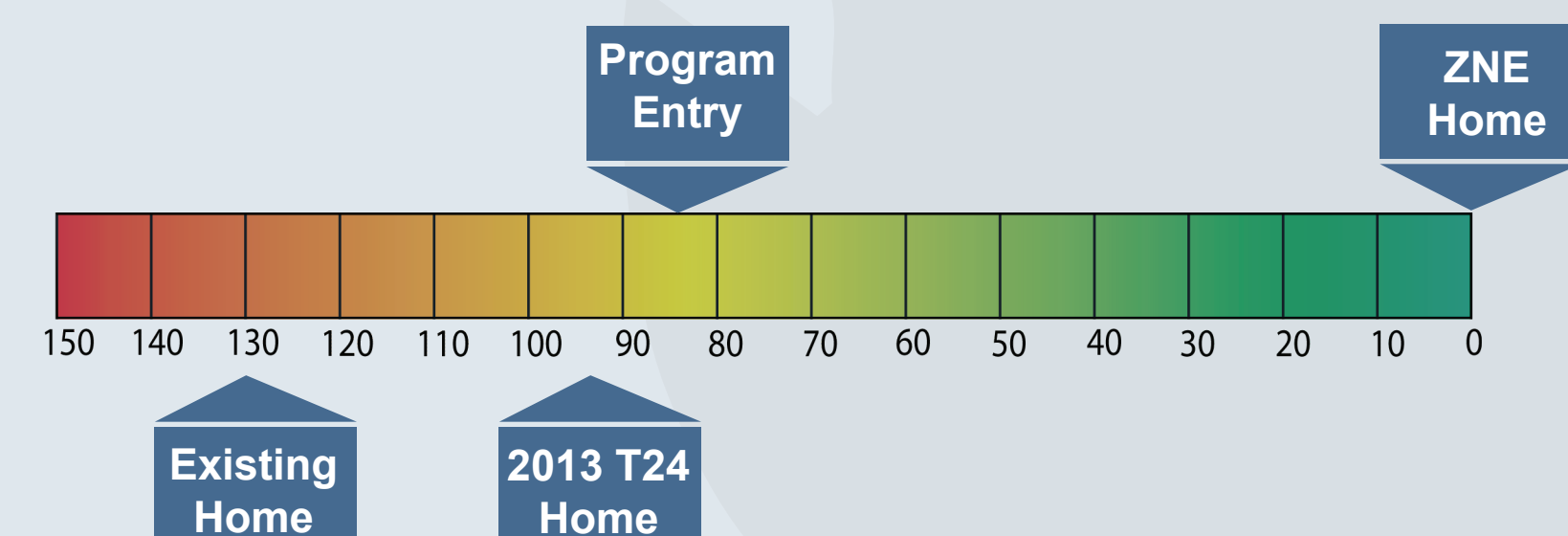
**Percent Better than Code Goal:** To reduce use relative to a code-permitted allotment  
**ZNE Goal:** Reduce use toward zero



**[ # Points to ZNE ]**  
**THE NEW METRIC**

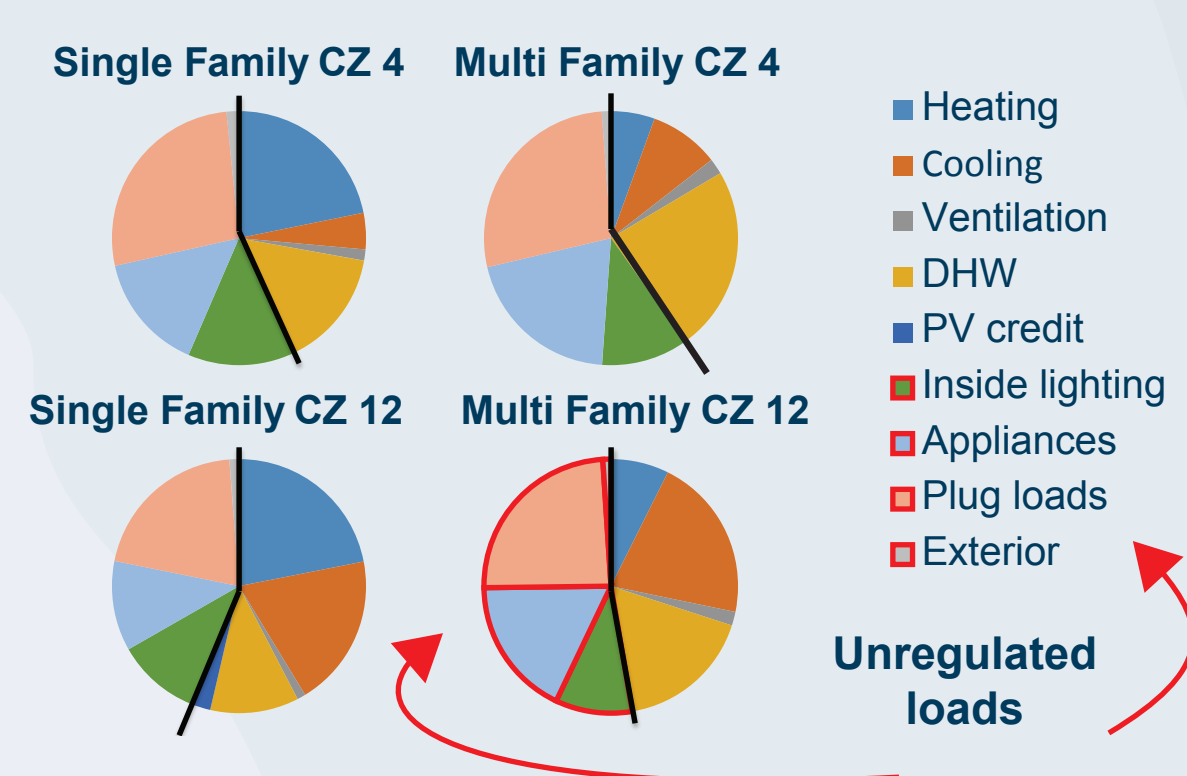
#### ZNE Goal: Performance Score

**Point-based score ranging from 1-150, based on California HERS methodology**



#### Does not include all end uses

**Percent better than code includes only 25-70% of a home's energy use**



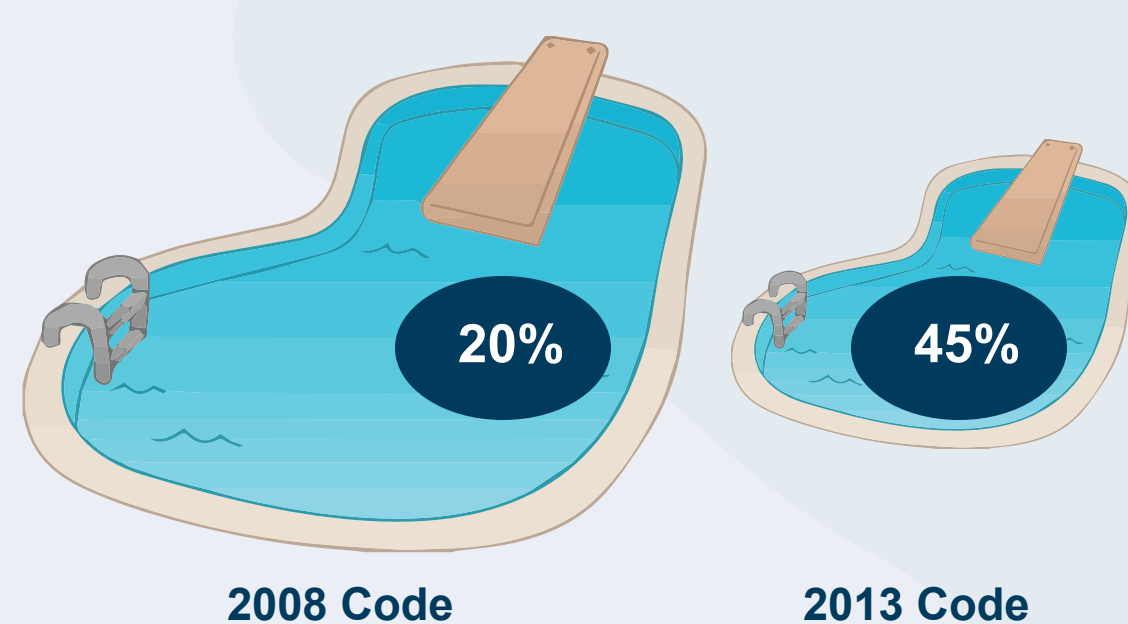
#### “Miles-per-gallon” style rating for a home's energy use

**Accounts for all energy loads within the envelope. Additional incentives can be earned for:**

- DOE Challenge Home
- Future code preparation measures
- Low energy use bonus
- Ultra low energy use bonus

#### Baseline decreases as code improves

**Small energy savings can yield unreliable “percent better than code” results**



#### Program incentive structure

**California Advanced Homes Program (CAHP) - per lot**  
- \$300 at entry  
- \$100 / point up to 75  
- \$200 / point after 75

**California Multi-Family New Homes Program (CMFNH) - per unit**  
- \$75 at entry  
- \$25 / point up to 75  
- \$50 / point after 75

