The California Net Zero Experience Panel: Net Zero Projects in California

Our Panel:

- Sylvia Wallis, RA, CPHC, LEED AP BD+C
  Associate, Harley Ellis Devereaux
- Henry Siegel, FAIA, LEED AP BD+C
  Principal, Siegel & Strain Architects
- Scott Shell, FAIA, LEED AP BD+C
  Principal & Director of Sustainability, EHDD
- Scott Anderson
  Regional Vice President, Pankow Builders
- Bill Worthen, FAIA, LEED BD+C (Moderator)
  Principal & Founder, Urban Fabrick, Inc.
The Path Towards High Performance Design

State and Local Adoption of High Performance Building Codes and Standards

Architect Engineer Code Official Knowledge Gap

High Performance Design and Construction Practices Considered Normal

Design Professionals High Performance Design Experience

2001 ELECTIVE + ASPIRATIONAL 2010 2012 MANDATORY + NORMAL 2020 NEW MATERIALS + METHODS 2030
EUI = Energy Use Intensity
[ Based on Utility Bills, Building Operations and Building Use, Metered or Measured ]
pEUI = predicted Energy Use Intensity
[ Based on Energy Model and Design Assumptions ]
$EUI_p = \text{Energy Use Intensity \ proposed}$

[Based on Energy Model and Design Assumptions]
EUI, pEUI and EUIp Are Not Equal
U.S. Source EUI*, National Averages by building type

*EUI can be an ineffective metric for residential performance - also misleading as uses GSF, not TFA

Source: Brute Force Collaborative, using AIA 2030 baseline info
Questions from the Audience?
Questions from the Audience?

Thanks to our Panel

Thank You