CSE’s Energy Code Coach Program
Empowering Building Departments to Help California Meet ZNE Goals

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Our Mission:

Accelerate the transition
to a sustainable world
powered by clean energy
Overview

• California’s Energy and Green Building codes

• Benefits of code compliance and permitting

• Challenges to code enforcement

• CSE’s Energy Code Coach Program
California’s Energy Code

• Enacted in 1978
• Updated every 3 years
• Supports Zero Net Energy (ZNE) goals
• Enforced by local building departments via permit and inspection process
Benefits of Code Compliance and Permitting

- Ensures quality installation and construction
- Saves energy
- Saves money
Challenges to Code Enforcement

• Energy and Green Building codes are just 2 of 12 parts in Title 24

• Codes can be complicated

• Staff have limited time for outside training

• Projects vary greatly
“...more than 80 percent of the existing code professional workforce is planning on retiring in the next 15 years, with more than 30 percent in the next five years.”

- International Code Council, 2014
Energy Code Coach in Action

• 1:1 mentoring
• Sustainability Desk staffing
• In-person trainings
• Field support
• Interdepartmental coordination
• Customized tools and resources
Tools and Resources

- Counter staff cheat sheets
- Plan and inspection correction lists

![Plan Review Report](image-url)
# Energy Take-off Sheet

<table>
<thead>
<tr>
<th>Reviewer:</th>
<th>Item Located on Plans (YES/NO)</th>
<th>PLAN REVIEW COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2016 Energy Code Climate Zone 7</strong></td>
<td></td>
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<tr>
<td><strong>Measure &amp; Minimum</strong></td>
<td></td>
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<tr>
<td>Roof Opt A,B,C - R30</td>
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<tr>
<td>Radiant Barrier - Req.</td>
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<tr>
<td>Walls 2x4 wd frame; U-Factor 0.065 = R-15.4</td>
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<tr>
<td>Slab on Grade</td>
<td></td>
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</tbody>
</table>
Tools and Resources

- Counter staff cheat sheets
- Plan and inspection corrections list
- Updated website content
- Prioritize measures

- Energy Code Ace: http://energycodeace.com
Program Outcomes

• Staff have tools to perform their job more effectively and efficiently
• Staff feel more confident with the standards they are enforcing
• City has increased institutional knowledge
• City has increased data/insight to document progress on Climate Action Plan goals
• Permit applicants are more aware of the energy and green building code sections and how to comply
Lessons Learned

• Training is more effective when presented one-on-one or hands-on

• Plans examiners and inspectors need support and opportunities to increase collaboration

• Ability to build economies of scale via regional programs
Thanks!

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