WELCOME to the BayREN FORUM September 24, 2014

CEC Guidance on Energy Code Interpretations

Oakland Asian Cultural Center | Oakland, CA





Regional Forums

Organizing regional leaders to combat major energy issues in the Bay area.

2014 Schedule

January 15th Energy Efficiency Policy and Climate Action Plans

March 19th Benchmarking Ordinances and Programs

May 21st Regional Best Practices in Green Building

July 29th Water-Energy Nexus: Strategies for Local Action

September 24th CEC Guidance in Energy Code Interpretations

November 19th Local Government Resources for Energy Efficiency













What Does Title 24 Look Like?

12 Volumes, 5,683 pages (just the Standards)



Part 6 Energy Code

Standards – 263 pages Reference Appendices – 493 pages Compliance Manuals – 2,506 pages, 248 compliance forms HERS & Appliance Standards – 250 pages



ENERGY CODE - COMPLIANCE

The Challenge:

- 1. It is difficult to establish how well the Energy Code is enforced across local governments
 - Nationally: 0-100%. California: 25-98% (Lawrence Berkeley Lab)
 - Energy Code Assumptions: 70-83% (varies by measure)
- 2. Compliance enforcement varies not only by local government, but also by individual staff
- 3. As the Codes grow more complex, local staff are required to know and do more without any additional resources or support



THE COMPLIANCE GAP

What the new 2013 Title 24 Will Save:

- Energy: 555 GWh/yr
- GHG: 289,018 tons/yr

What the new 2013 Title 24 Will Miss:

- Energy: 127 GWh/yr
- GHG: 66,400 tons/yr

Roughly 10,000 extra cars per year in lost potential savings





TOOLS FOR LOCAL GOVERNMENTS

Energy Code ACE CEC Online Education Center / Checklists BayREN Over the Counter Guides Free Trainings (PG&E and BayREN offerings)







TOOLS FOR LOCAL GOVERNMENTS

BayREN was created to provide tools for local governments to improve Energy Code compliance.

- What tools would make your jobs easier?
- What resources would you like to see?
- How can we help?

PANEL Discussion BayREN FORUM September 24, 2014

Compliance Issues Encountered by Bay Area Building Departments

MODERATOR:

Nehemiah Stone | Principal, Benningfield Group Inc.

PANELIST:

Nelson Peña | Associate Mechanical Engineer, CEC



PANEL Discussion BayREN FORUM September 24, 2014

Open Discussion on Energy Code Interpretations

MODERATOR:

Daniel Hamilton | C&S Program Manager, BayREN

PANELIST:

Nelson Peña | Associate Mechanical Engineer, CEC

