

# WELCOME to the BayREN FORUM

September 24, 2014

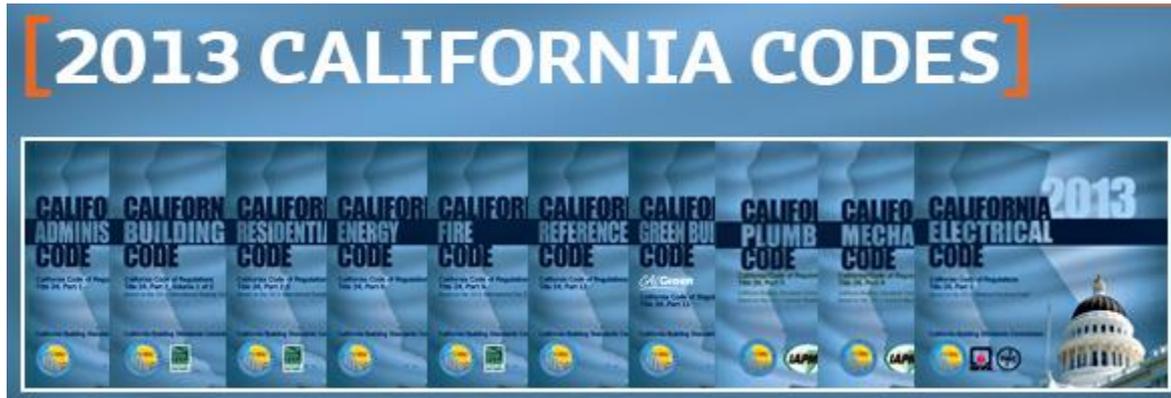
## CEC Guidance on Energy Code Interpretations

Oakland Asian Cultural Center | Oakland, CA



# 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

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



# 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

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## Compliance Issues Encountered by Bay Area Building Departments

MODERATOR:

Nehemiah Stone | Principal, Benningfield Group Inc.

PANELIST:

Nelson Peña | Associate Mechanical Engineer, CEC

# PANEL Discussion

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## Open Discussion on Energy Code Interpretations

MODERATOR:

Daniel Hamilton | C&S Program Manager, BayREN

PANELIST:

Nelson Peña | Associate Mechanical Engineer, CEC