

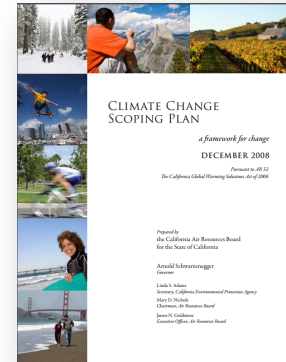
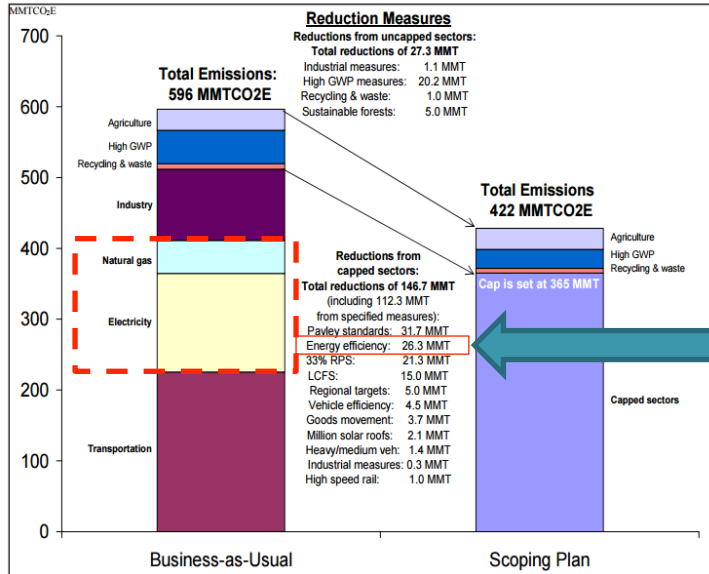
# **Beyond the Energy Code: Exploring the Value of Forging Ahead**

**7<sup>th</sup> Annual Statewide Energy Efficiency Forum  
June 16, 2016**

**Javier Mariscal**  
**Statewide Codes & Standards Reach Code Program**

# AB 32 Goals

**Figure 3: California Greenhouse Gas Emissions in 2020 and Recommended Reduction Measures**



*“Energy Efficiency measures for both electricity and natural gas can reduce greenhouse gas emissions significantly”*

# ZNE Goals



- “A broad range of aggressive and continually improving minimum and higher **voluntary sets of energy codes** and standards will be adopted to **greatly accelerate** the widespread deployment of **zero-net energy** and highly efficient buildings and equipment...”
  - *California Energy Efficiency Strategic Plan*

# Reach Codes



## 2005 (n=14)

- Culver City
- La Quinta
- Los Altos
- Los Altos Hills
- Marin County
- Mill Valley
- Palo Alto
- Palm Desert
- Rohnert Park
- San Francisco,
- San Mateo County
- Santa Barbara
- Santa Monica
- Santa Rosa

## 2008 (n=45)

- Belmont
- Burlingame
- Chula Vista
- Cotati
- Cupertino
- Daly City
- Fremont
- Glendale
- Goleta
- Hayward
- Healdsburg
- Lancaster
- Los Altos
- Malibu
- Manhattan Beach

- Marin County
- Menlo Park
- Morgan Hill
- Mountain View
- Napa
- Oakland
- Palo Alto
- Pacifica
- Petaluma
- Portola Valley
- Redwood
- Richmond
- San Anselmo
- San Carlos
- San Francisco

- San Jose
- San Luis Obispo
- San Mateo
- San Rafael
- Santa Clara
- Santa Monica
- Santa Rosa
- Sebastopol
- Simi Valley
- Sonoma
- Sonoma CO
- Tiburon
- Union City
- West Sacramento
- Windsor

## 2013 (n=8)

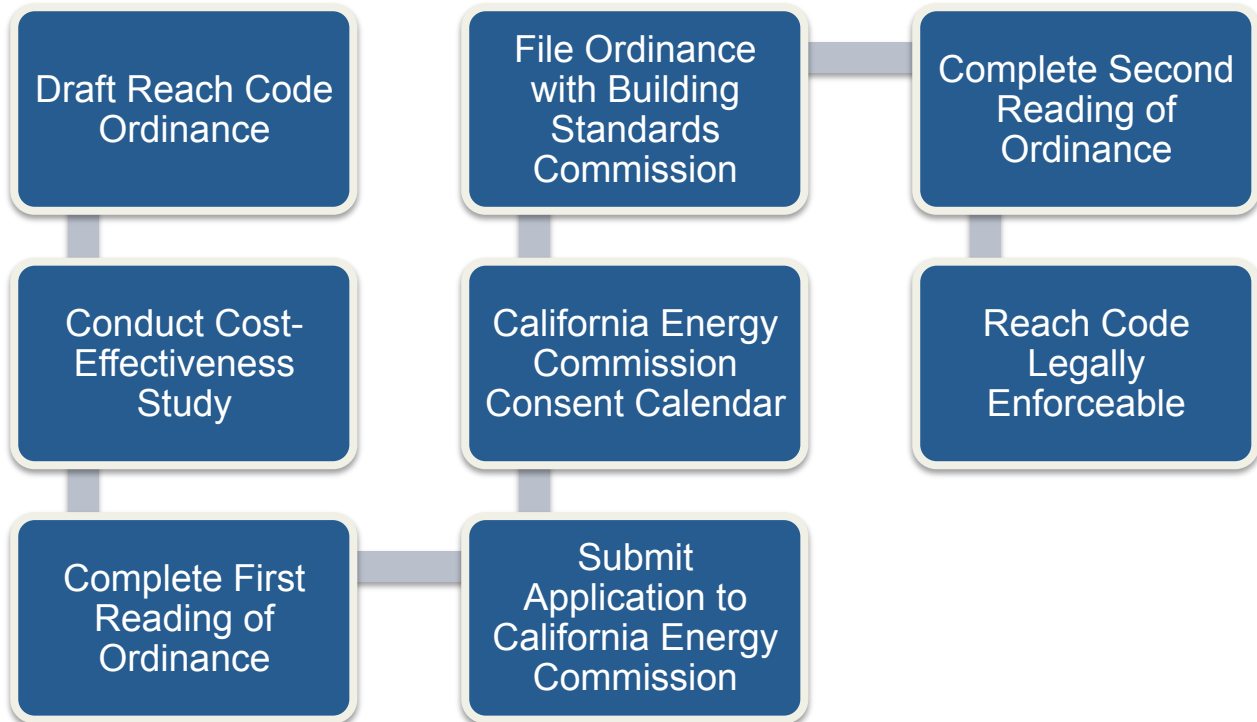
- Glendale
- Lancaster (mandatory PV only)
- Los Angeles
- Pasadena
- Palo Alto
- San Francisco
- Santa Monica (mandatory PV only)
- Davis (pending)*

## 2016 (n=1)

- Santa Monica (pending)*

Source: <http://www.energy.ca.gov/title24/2013standards/ordinances/>

# Ordinance Adoption



# Statewide Task #1

Jurisdictions often lack resources to prepare **cost effectiveness studies**

Prepare cost effectiveness studies for all Climate Zones

# Cost Effectiveness Studies


## Performance

- CalGreen Tier 1
- CalGreen Tier 2
- CalGreen Tier 3 “ZNE” (Residential Only)

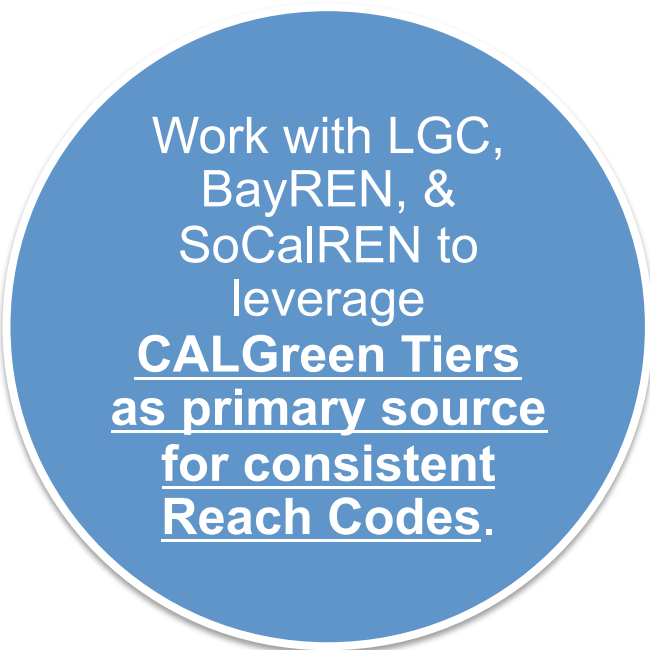
## Measure Specific

- Cool Roof
- Outdoor Lighting
- Radiant Barrier (Roofs)

# Statewide Task #2



**Reducing GHG  
is primary  
driver for  
jurisdictions &  
CALGreen**



Work with LGC,  
BayREN, &  
SoCalREN to  
leverage  
**CALGreen Tiers**  
**as primary source**  
**for consistent**  
**Reach Codes.**




# CalGreen Advocacy

CalGreen Voluntary Tiers can become  
“preapproved” Reach Codes

Eliminate submitting Reach Code  
application to the CEC

# Statewide Task #3



Jurisdictions often  
lack resources to  
track and report  
outcomes



Develop  
tools to track,  
quantify, and  
report  
outcomes

# Tracking Tools

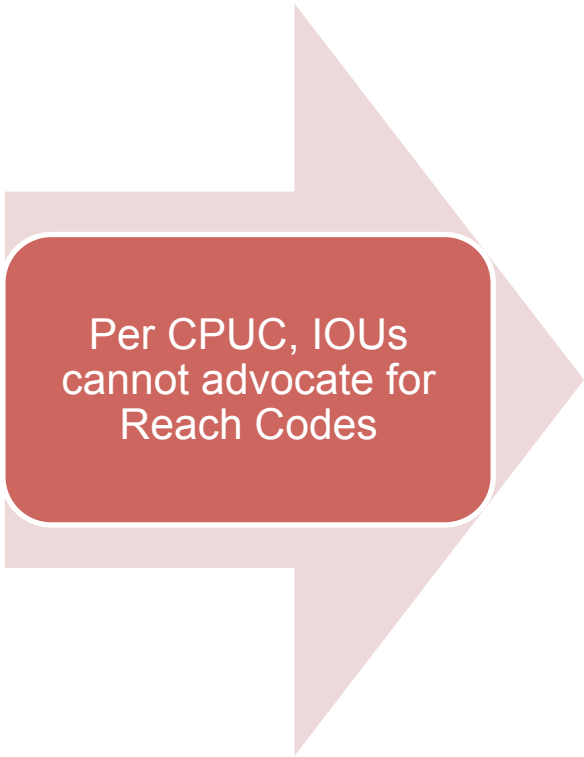
Energy  
Savings &  
GHG  
Reduction

- Help meet individual jurisdiction climate action GHG goals

Beta Versions  
available

- Performance Based
- Cool Roof

# Statewide Task #4



Per CPUC, IOUs  
cannot advocate for  
Reach Codes



Work with LGC,  
BayREN, &  
SoCalREN who  
can advocate  
for Reach  
Codes

# Reach Code Advocacy

## Outreach with local elected officials:

- Reach Codes can mitigate project-level GHG impacts pursuant to CEQA requirements, including Climate Action GHG targets
- Explain the process for developing and adopting a legally enforceable Reach Code pursuant to CEC requirements

# Contact Info

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