

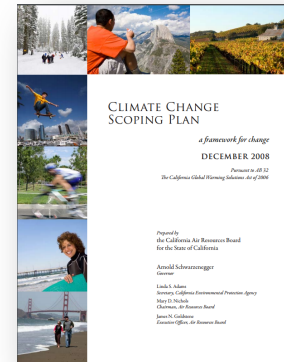
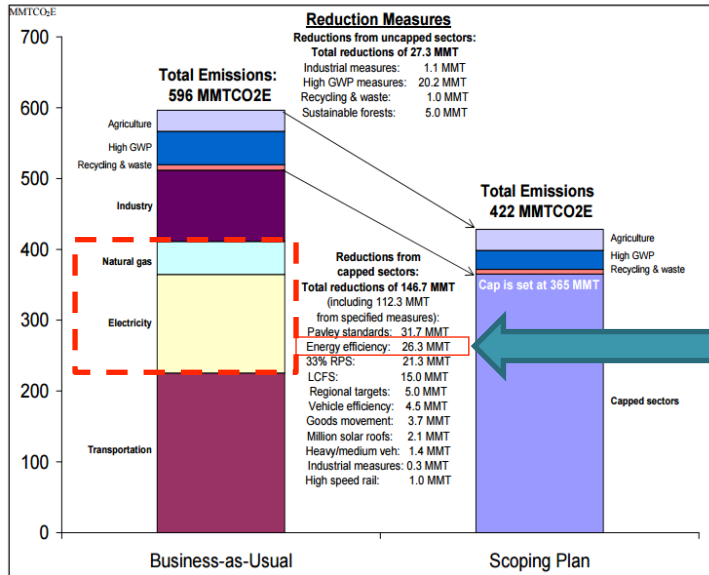
Beyond the Energy Code: Exploring the Value of Forging Ahead

7th Annual Statewide Energy Efficiency Forum
June 16, 2016

Javier Mariscal
Statewide Codes & Standards Reach Code Program

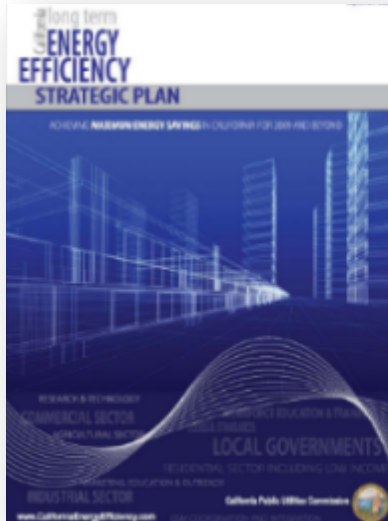
AB 32 Goals

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	Marin County	San Jose
Burlingame	Menlo Park	San Luis Obispo
Chula Vista	Morgan Hill	San Mateo
Cotati	Mountain View	San Rafael
Cupertino	Napa	Santa Clara
Daly City	Oakland	Santa Monica
Fremont	Palo Alto	Santa Rosa
Glendale	Pacifica	Sebastopol
Goleta	Petaluma	Simi Valley
Hayward	Portola Valley	Sonoma
Healdsburg	Redwood	Sonoma CO
Lancaster	Richmond	Tiburon
Los Altos	San Anselmo	Union City
Malibu	San Carlos	West Sacramento
Manhattan Beach	San Francisco	Windsor

2013 (n=8)

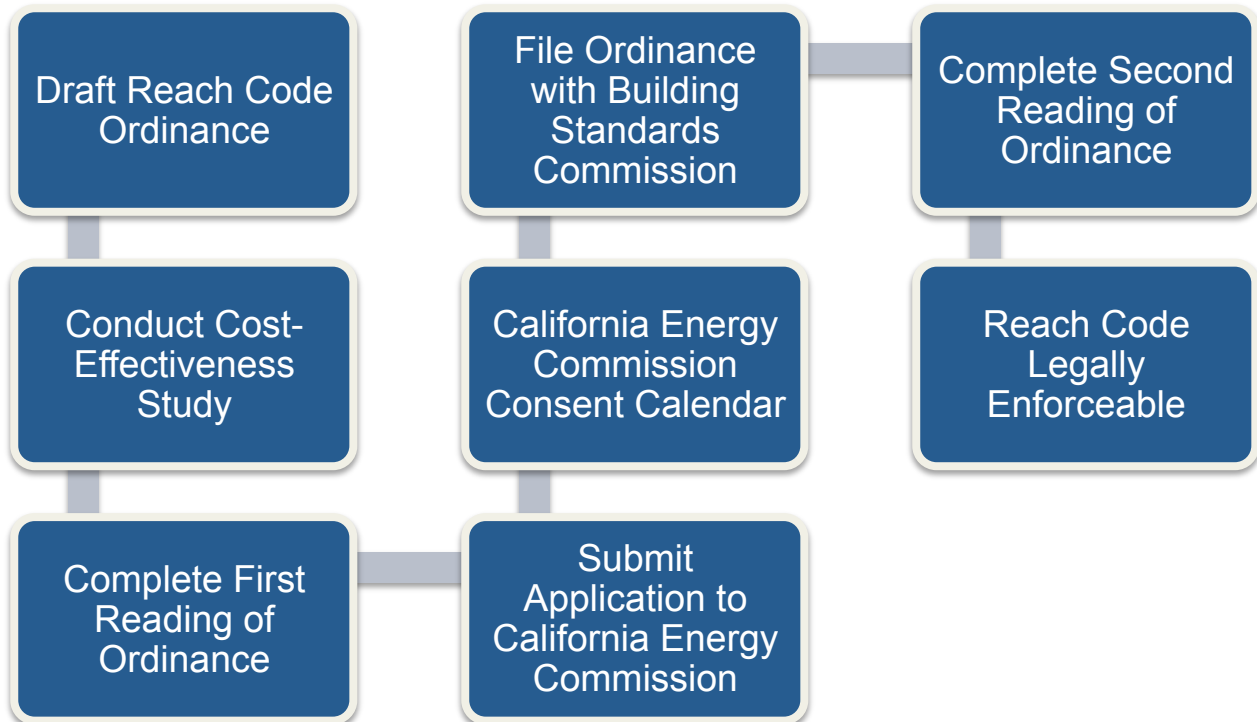
Glendale
Lancaster (mandatory PV only)
Los Angeles
Pasadena
Palo Alto
San Francisco
Santa Monica (mandatory PV only)
Davis (pending)

2016 (n=1)


Santa Monica (pending)

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

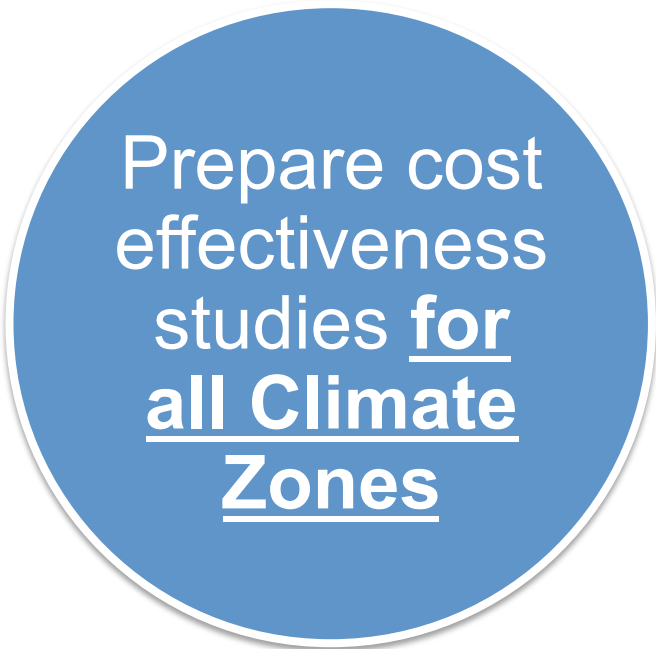
Ordinance Adoption



Statewide Task #1



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



Prepare cost
effectiveness
studies for
all Climate
Zones

Cost Effectiveness Studies

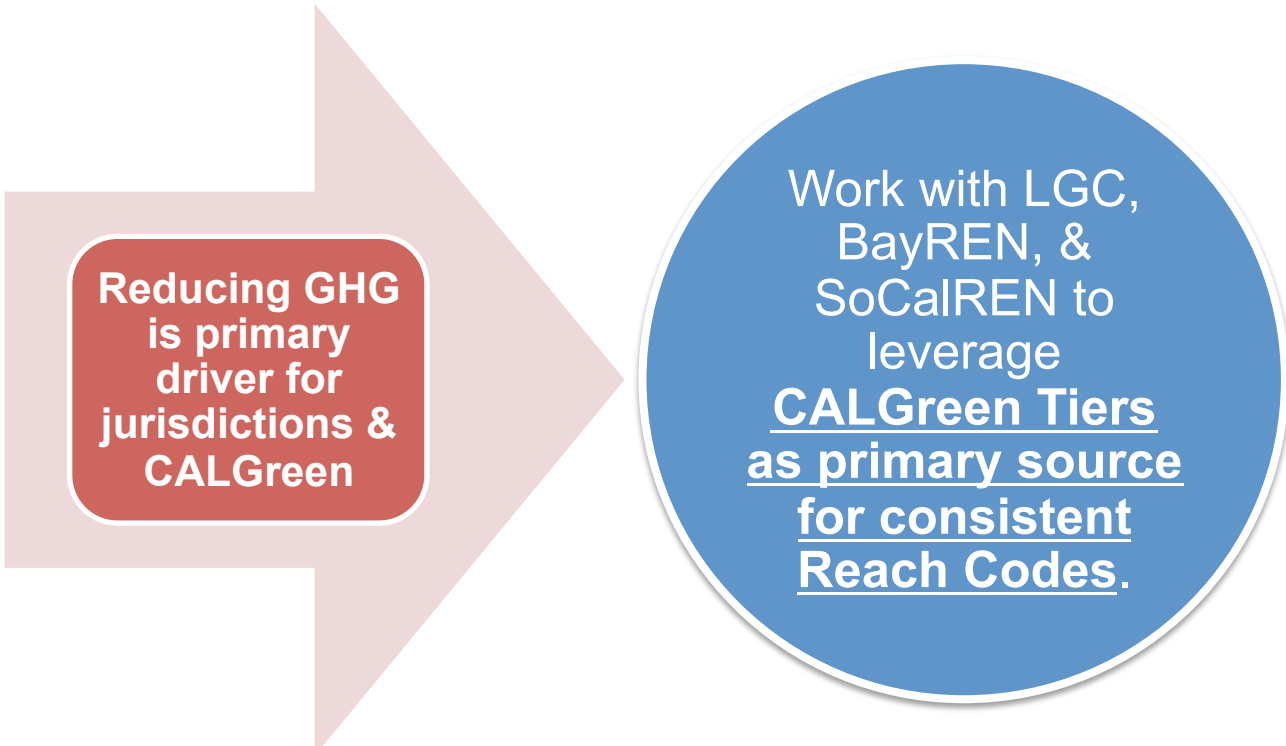
Performance

- 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**

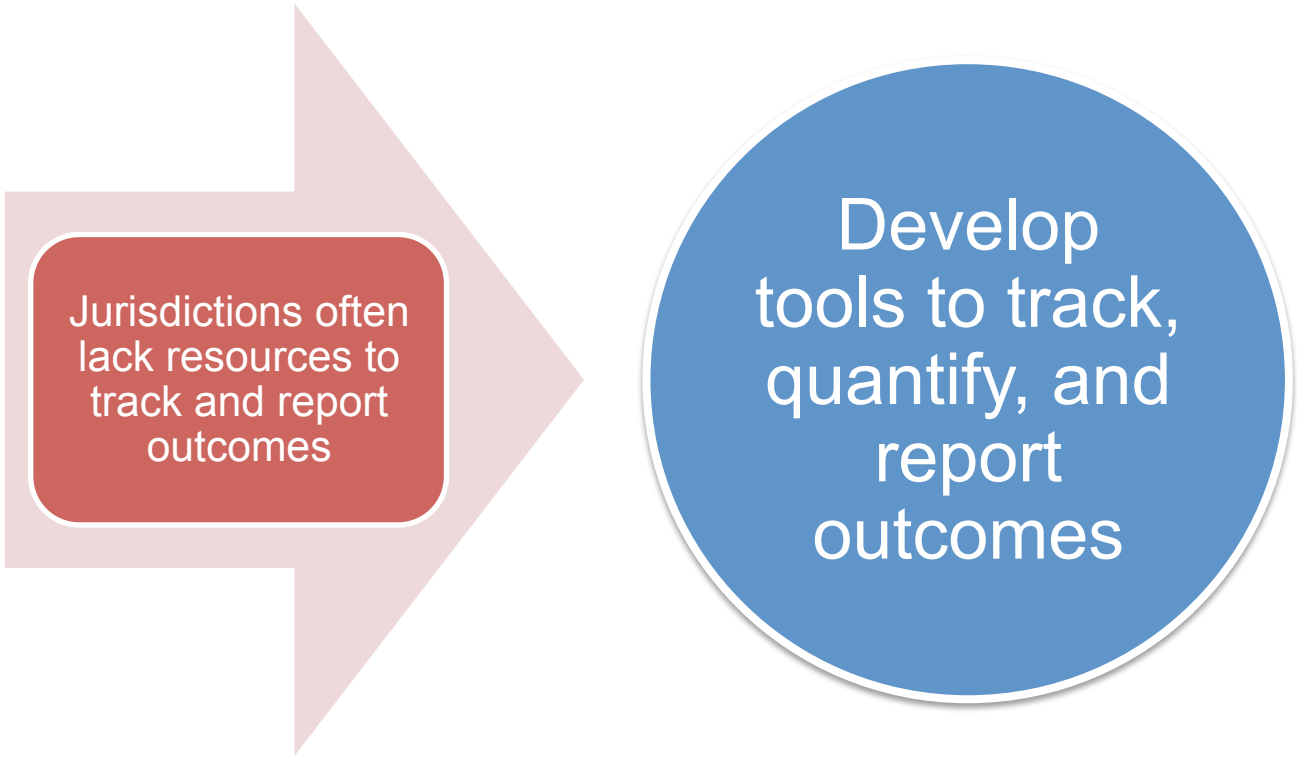
Work with LGC,
BayREN, &
SoCalREN to
leverage
CALGreen Tiers
as primary source
for consistent
Reach Codes.

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

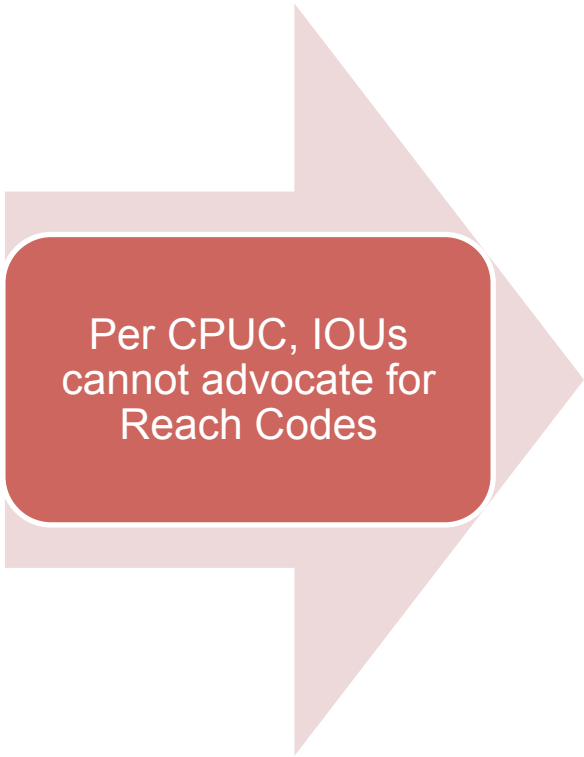
Energy
Savings &
GHG
Reduction

- 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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