



# CODES AND STANDARDS PROGRAM

## REACH CODES SUBPROGRAM

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on behalf of the  
Statewide Codes and Standards Program

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# C&S PROGRAM OVERVIEW

- Comprised of five subprograms:

- Building Codes Advocacy

[Title24Stakeholders.com](http://Title24Stakeholders.com)

- Appliance Standards Advocacy

[Title24Stakeholders.com](http://Title24Stakeholders.com)

- Reach Codes

[LocalEnergyCodes.com](http://LocalEnergyCodes.com)

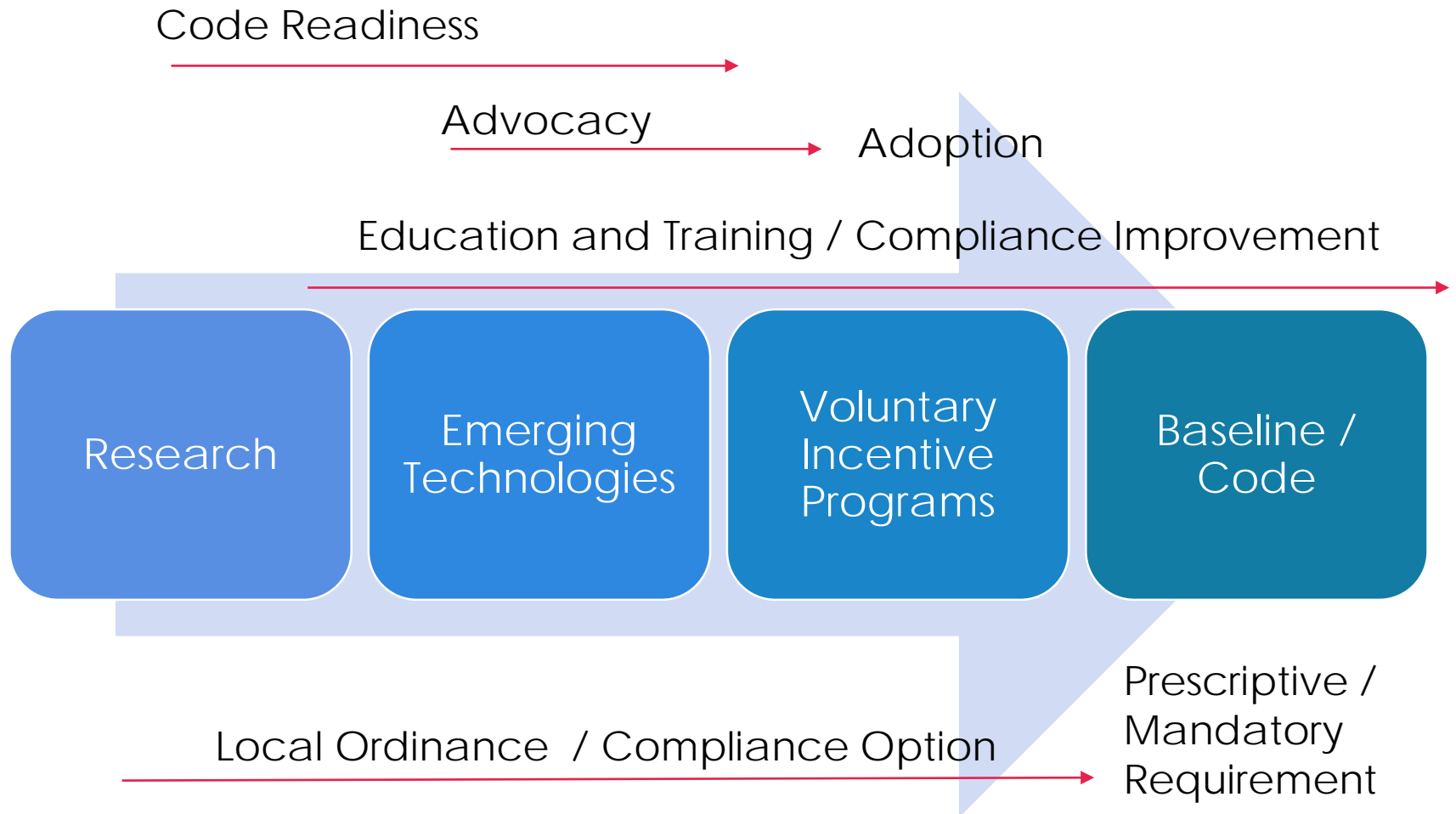
- Compliance Improvement

[EnergyCodeAce.com](http://EnergyCodeAce.com)

- Planning and Coordination

- PG&E-only: Code Readiness

# CODES AND THE TYPICAL MEASURE LIFE CYCLE





# REACH CODES SUBPROGRAM

Facilitates adoption and implementation of local energy ordinances (reach codes) that require projects to exceed minimum state requirements.  
In support of:

- Climate Action Plans
- CA Policy Goals
- Voluntary Programs, and
- Future Standards



# CA BUILDING STANDARDS COMMISSION (CBSC) LOCAL ORDINANCE REQUIREMENTS

As enforcement agencies, local governments are authorized by state law to adopt amendments.

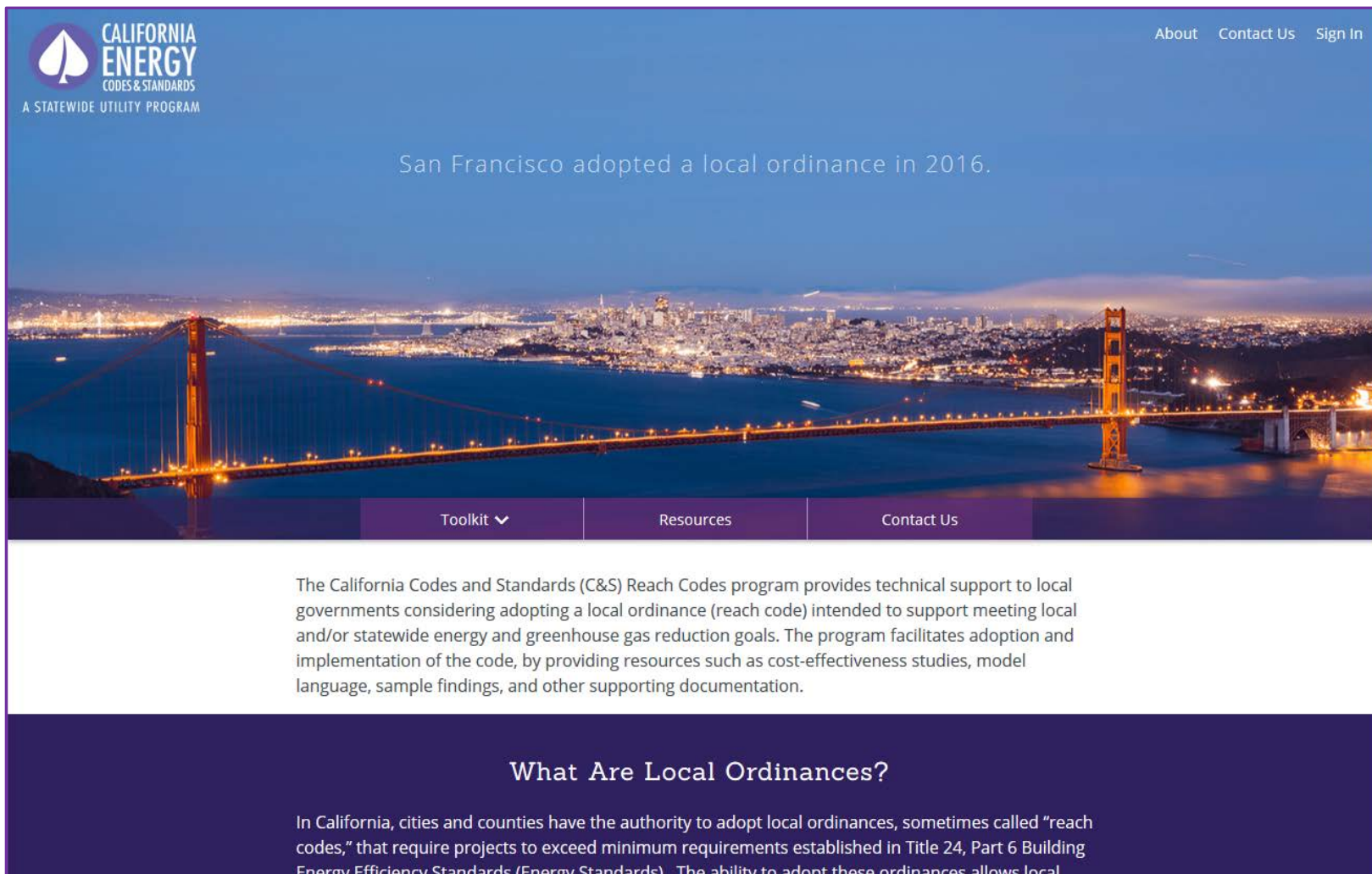
All local amendments must be:

- Compliant with all state laws
- Updated for each new Title 24 cycle
- Filed with the State, and
- Accessible to public

# CEC - LOCAL ENERGY ORDINANCE REQUIREMENTS

- In addition to CBSC requirements, local energy ordinances:
  - Must be more stringent than state requirements
  - Must be cost effective
  - May not specifically require high efficiency HVAC and DHW equipment (may not preempt federal regulations)

# WWW.LOCALENERGYCODES.COM



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San Francisco adopted a local ordinance in 2016.

Toolkit Resources Contact Us

The California Codes and Standards (C&S) Reach Codes program provides technical support to local governments considering adopting a local ordinance (reach code) intended to support meeting local and/or statewide energy and greenhouse gas reduction goals. The program facilitates adoption and implementation of the code, by providing resources such as cost-effectiveness studies, model language, sample findings, and other supporting documentation.

## What Are Local Ordinances?

In California, cities and counties have the authority to adopt local ordinances, sometimes called "reach codes," that require projects to exceed minimum requirements established in Title 24, Part 6 Building Energy Efficiency Standards (Energy Standards). The ability to adopt these ordinances allows local






# C&S PROGRAM LOCAL ENERGY CODES

Toolkit includes:

- Cost Effectiveness Analyses,
  - Model Ordinance and Resolution Language,
  - Ordinance Summaries, and
  - Links to partners, state agencies,
- Drafting documentation to accompany remaining studies
  - Future additions include reach code tracker, case studies, presentation templates, implementation tools



# LOCAL ORDINANCE TOOLKIT



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## Local Ordinance Toolkit

Local energy codes are a critical tool for raising the energy efficiency bar above Title 24, Part 6 Energy Standards. In order to ensure that local energy codes are effective, project applicants must submit an application for approval at the local energy code jurisdiction. The local energy code jurisdiction then reviews the application and either approves or disapproves the application. The local energy code jurisdiction may also require the project applicant to submit a copy of the application to the California Energy Commission (CBSC). The C&S program created the documents posted here to help streamline ordinance adoption.

### Performance-Based Ordinances

Documents and information related to raising the energy efficiency bar above Title 24, Part 6 Energy Standards. Performance Ordinances provide project applicants with flexibility about how the bar will be reached or exceeded.

### Prescriptive Ordinances


Documents and information regarding several cost-effective measures that may present straightforward options for a local ordinance. These measures may be adopted individually, or in combination with other measures or requirements.

### Performance-Based Ordinances

A “performance-based” ordinance raises the energy efficiency bar above Title 24, Part 6 Energy Standards, and provides project applicants with flexibility about how the bar will be reached. There are



# LOCAL ORDINANCE RESOURCES

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## State Agencies

### California Building Standards Commission (CBSC)

- [CALGreen](#)
- [CBSC Publications](#) - Select "Local Jurisdictions and Fire Protection Districts"
  - [Guide for Local Amendments of Building Standards](#)
  - [California Code Adoption for Local Jurisdictions](#), (webinar and presentation slides)
  - [Local Code Ordinances](#)

### California Energy Commission (CEC)

- [CEC Local Ordinances Page](#)
- [CEC Staff Report: Initial Study / Proposed Negative Declaration for the 2016 Building Energy Efficiency Standards for Residential and Nonresidential Buildings](#)

### California Department of Housing and Community Development

- [HCD, Building Standards Information](#)

## Local Government Services

- [Local Government Commission](#)
- [Institute for Local Government \(ILG\)](#)
- [ICLEI USA](#)
  - [ICLEI ClearPath](#) - energy and emissions management tool.

# 2016 COST EFFECTIVENESS ANALYSES

## Residential New Construction (Single Family and Low-Rise Multifamily)

- Mixed-Fuel, (Gas/Electric)
- All-Electric
- CALGreen Tier 3
- Nonresidential New Construction
  - CALGreen Tier 1 (10%)
- Single Measure Opportunities
  - NR Outdoor Lighting
  - Cool Roofs
  - Electric Vehicle Charging

# CUSTOM ANALYSIS EXAMPLES

- City of Healdsburg
  - Revised analysis using City's electric rates
- City of Berkeley
  - Evaluating prescriptive compliance option for heat pump water heaters (HPWH) in residential new construction
- Town of Portola Valley
  - Solar-ready requirement to install conduit
- City of Chico
  - Substantial remodels for existing single family homes

# CEC-APPROVED LOCAL ENERGY ORDINANCES

Jurisdiction	Type
City of Brisbane	Cool Roofs, Solar PV
City of Fremont	Outdoor Lighting, Solar PV
City of Healdsburg	Efficiency
County of Marin	Efficiency
Mill Valley	Efficiency
City of Novato	Efficiency
City of Palo Alto	Efficiency, Solar PV
Town of Portola Valley	Efficiency
City and County of San Francisco	Solar PV or Solar Thermal
City of San Mateo	Cool Roofs, Solar PV
City of Santa Monica	Efficiency, Solar PV



# THANK YOU!

Contact the Reach Code team at:

[info@LocalEnergyCodes.com](mailto:info@LocalEnergyCodes.com) or via

[LocalEnergyCodes.com](http://LocalEnergyCodes.com)



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