

REACH CODE NEWS BRIEF: JUNE 2022

2022 BUILDING ENERGY EFFICIENCY STANDARDS UPDATE



CBECC TITLE-24 COMPLIANCE SOFTWARE

HOME CBECC 2022 CBECC-COM 2019 SUBMIT AN ISSUE / FAQ REFERENCE METHOD RESOURCES SOFTWARE ARCHIVE

CBECC: CALIFORNIA BUILDING ENERGY CODE COMPLIANCE (FOR NONRESIDENTIAL AND MULTIFAMILY BUILDINGS) SOFTWARE

CBECC (California Building Energy Code Compliance) is an open source project that may be used by Code Agencies, Rating Authorities, or Utility Programs in the development of energy codes, standards, or efficiency programs. Architects, engineers, and energy consultants may also use these tools to demonstrate compliance with energy codes or building code programs.

CBECC-Res COMPLIANCE SOFTWARE PROJECT

HOME CBECC-RES 2013 CBECC-RES 2016 CBECC-RES 2019 CBECC-RES 2022 FAQ/HELP REFERENCE DOCUMENTS SOFTWARE ARCHIVE

CBECC-Res is a free computer program developed by the California Energy Commission for use in demonstrating compliance with the California Residential Building Energy Efficiency Standards.

The CBECC-Res project is managed by Bruce A. Wilcox, P.E. with general oversight provided by the California Energy Commission's Standards Tools Unit and CEC project manager RJ Wichert.

SIGN UP to be notified about new versions of CBECC-Res
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- **CBECC-Res 2013** is used in complying with the 2013 Standards which are in effect for building permits filed before January 1, 2017.
- **CBECC-Res 2016** is used ONLY for complying with the 2016 Standards which are mandatory for building permits filed after January 1, 2017.
- **CBECC-Res 2019** is used ONLY for complying with the 2019 Standards which are mandatory for building permits filed after January 1, 2020.
- **CBECC-Res 2022** CBECC-Res 2022 RV is software intended to be used for research purposes only. It cannot be used for compliance for any energy code requirement and is intended only for work on Title-24 2022 Standards development.

California Building Standards Commission Publishing Final Standards July 1 while Energy Commission Approves Energy Code Compliance Software and Conservation Manual

Key compliance tools were approved by the Energy Commission at its June 8 Business Meeting. Both the Energy Conservation Manual for the 2022 Building Energy Efficiency Standards and the Building Energy Code Compliance Software

(CBECC 2022.1.0 and CBECC-Res 2022.1.0) have been approved in their final forms and may now be used both for compliance activities as well as reach code development efforts for the 2022 code cycle. These resources are available on the Commission [website](#).

In addition, the Building Standards Commission will be publishing the final adopted version of the Standards on July 1 to the [BSC website](#).

Statewide Program Adds LinkedIn Channel to Social Media Resources

Join us today on [LinkedIn](#)! Local Energy Codes now has an active page where the team will provide the latest updates on reports, webinars and other initiatives, as well as news important to the reach codes community. Submit ideas for posts to info@localenergycodes.com.

California Local Energy Codes
Working with local communities to drive reach code development & adoption for climate & energy efficiency benefits.
Environmental Services · 4 followers

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Overview

As part of the Statewide Codes & Standards Program, the Reach Codes Subprogram helps cities and counties leverage their unique authority to adopt ordinances that require increased efficiency and performance beyond the state’s minimum requirements. In addition to differentiating the jurisdiction as an efficiency leader, local energy ordinances accelerate the adoption of new equipment, technologies, code compliance, and energy-savings strategies to help pave the way for future code cycles.

The Reach Codes Subprogram, implemented by PG&E, SDG&E, and SCE, responds directly to California’s policy goal to significantly reduce greenhouse gas emissions.

Website
<https://localenergycodes.com/>

UPCOMING EVENTS

July

July 7: Statewide Reach Codes Program webinar: [Draft Results: Multifamily New Construction Cost-Effectiveness Study](#)

July 12: Advanced Water Heating Initiative (AWHI), EEBA and Electrify Now webinar: [Heat Pump Water Heaters in the All-Electric Home: Builders share their experience](#)

July 13: Energy Commission Monthly [Business Meeting](#)

July 14: 3C-REN: [Central Coast Reach Codes Policy Workshop](#)

July 21: 3C-REN Regional Forum: [2022 California Energy Code: Reaching Towards Higher Efficiency Standards](#)

July 28: USGBC-LA Thought Leadership Series webinar: [Building Our Electrified Future](#)



Be sure to follow us on Twitter for the latest news and information!

NEW THIS MONTH!



REACH CODES CORNER: EVALUATING ALL-ELECTRIC AND ELECTRIC-PREFERRED OPTIONS

This column is a monthly feature focusing on specific topics of interest to newcomers to the reach code development community.

This month we look at two of the most popular reach code options for jurisdictions in the upcoming 2022 code cycle.

All-Electric Provisions

This option focuses on eliminating fuel sources other than electricity for new construction. Typically, these policies mandate no new gas appliances or gas space or water heating in new construction. If the approach is tied to the 2022 Building Code (Part 11, CALGreen), these types of policies must be renewed every code cycle. The jurisdiction must satisfy local requirements and file the adopted measure with the BSC, which will review and determine if it is acceptable for filing with the Secretary of State. Once this occurs, the measure is enforceable at the local level. If the latter, the jurisdiction must satisfy local requirements and the measure will be immediately enforceable.

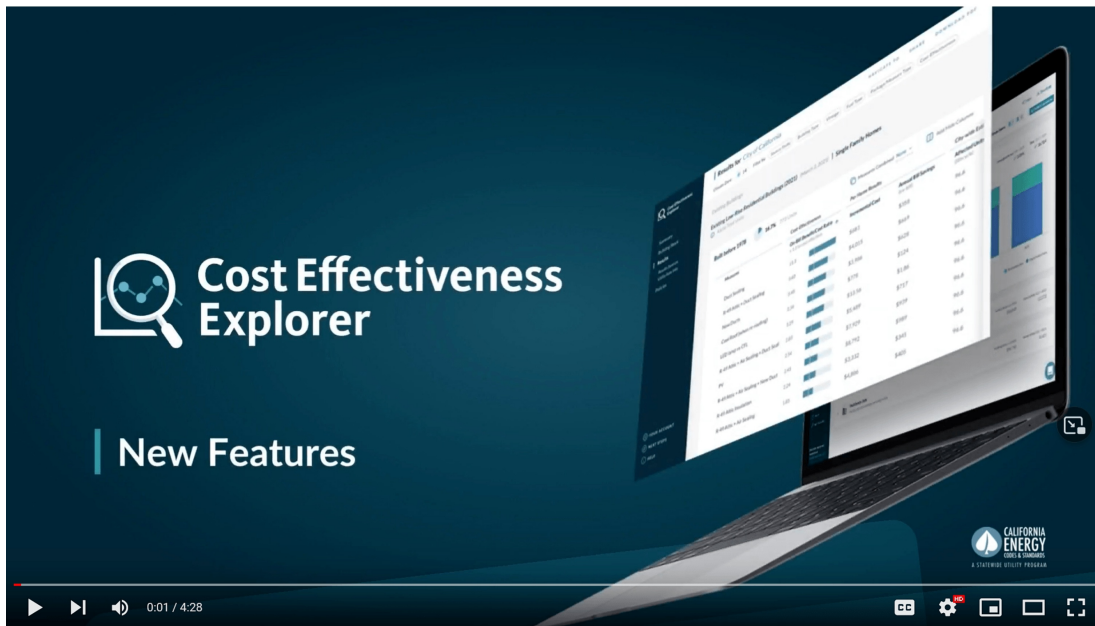
The jurisdiction may also pursue an all-electric measure under its health and safety powers. If this approach is taken, the jurisdiction must satisfy local requirements but once adopted, the measure is immediately enforceable and does not expire.

Communities pursuing this approach during the 2019 code cycle have included Berkeley, Morgan Hill, Petaluma, San Jose, Santa Barbara and Santa Cruz.

Electric-Preferred Provisions

This approach is the most conservative option and amends the 2022 Energy Code. Requirements typically will include a provision that all-electric buildings satisfy code requirements, while mixed-fuel buildings must exceed code requirements by specified margins. Considerations to keep in mind are that this approach is usually the most conservative in terms of greenhouse gas reductions, so would advance a jurisdiction's climate action goals the least as well. In addition, the 2022 Standards include heat pumps as a performance standard baseline for water or space heating in single-family homes, and space heating in multi-family homes, as well as certain commercial buildings. This means if a design uses natural gas equipment instead of a heat pump, the design must add other measures to improve performance in other building systems to make up for the compliance deficit.

More information on this and many other reach code topics are available on the Reach Codes Newcomers webinar series videos. Visit the Local Energy Codes YouTube [channel](#).



NEW COST EFFECTIVENESS EXPLORER FEATURES FOR 2022 CODE CYCLE

The [Cost-Effectiveness Explorer](#) team is rolling out new tools and preliminary data to help local jurisdiction staff begin working on new construction policies for the 2022 code cycle. While final cost-effectiveness results are not yet available, these new tools can be used by staff to explore likely options and impacts.

Some of the new functionality includes:

- Preliminary results from the 2022 New Single Family Home state-wide cost-effectiveness study.
- Jurisdiction-wide impact estimates for packages from this study. These include five different packages for all-electric homes and one package for

mixed-fuel homes. Users can chart these impacts and edit the assumptions behind them.

- A spreadsheet-based impact model. The user can view impact forecasts for their jurisdiction for electric only and electric preferred policies.
- Building estimates for new construction volume during the 2022 code cycle. Users can view/revise/download these forecasts, and jurisdiction-wide impacts shown in the Explorer will reflect any changes.
- Downloadable pdf of specific results for user's jurisdiction

As cost-effectiveness results become final over the next several weeks, the Explorer will be updated as well.

Preview these features by watching this [video](#). For questions, please email explorer@localenergycodes.com.



This program is funded by California utility customers and administered by Pacific Gas and Electric Company, San Diego Gas & Electric Company (SDG&E®) and Southern California Edison Company under the auspices of the California Public Utilities Commission and in support of the California Energy Commission.

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