

STATE OF CALIFORNIA

Energy Resources Conservation
And Development Commission

2013 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6

Docket No. 12-BSTD-01
Resolution No. 15-0619

APPROVAL BY THE EXECUTIVE DIRECTOR OF THE PUBLIC DOMAIN
NONRESIDENTIAL COMPLIANCE SOFTWARE CBECC-COM VERSION 3C
FOR COMPLYING WITH THE 2013 BUILDING ENERGY EFFICIENCY STANDARDS

The Executive Director hereby approves CBECC-Com Version 3c as the public domain alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10 (Standards).

The Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subd. (b), requires the Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its building energy efficiency standards.

CBECC-Com Version 3c incorporates corrections to the compliance manager that was previously approved by the Energy Commission on March 24, 2015, as part of the Application Programming Interface (API) in the 2013 Public Domain California Building Energy Code Compliance - Nonresidential (CBECC-Com) Software Version 3b.

Corrections in Version 3c include:

- Updating the minimum equipment efficiencies used to calculate the standard budget for single phase air conditioners and heat pumps with output less than 65,000 Btu/h to match the 2014 Appliance Efficiency Standards.
- Creating new HVAC systems for naturally ventilated spaces to allow the fan to be cycled based on space temperature to match the standard system.
- Corrections to the water heating calculations in high rise residential designs that will allow for an individual water heating system per each dwelling unit.
- Removing the mandatory U-Factor check for existing assemblies.
- Updating the PRF-01 report signature block to improve usability.
- Corrections to various minor errors.

In approving CBECC-Com Version 3b on March 24, 2015, the Energy Commission directed the Executive Director to take all actions reasonably necessary to ensure that CBECC-Com is maintained and revised to accurately estimate the energy use of nonresidential buildings and demonstrate compliance with the 2013 Building Energy Efficiency Standards, including correcting functional errors.

In addition to increasing functionality and solving concerns from the building industry, addressing these issues does not significantly affect compliance with the 2013 Building Energy Efficiency Standards¹. Thus, this update is not required to be approved by the Energy Commission².

Information for obtaining CBECC-Com Version 3c will be posted on the Energy Commission's 2013 Standards website for approved computer compliance programs:

http://www.energy.ca.gov/title24/2013standards/2013_computer_prog_list.html.



ROBERT P. OGLESBY
Executive Director

¹ Cal. Code Regs., Title 24, Pt. 1, Ch. 10, and Pi. 6 (also known as the California Energy Code).

² See Nonresidential Alternative Calculation Method Approval Manual, May 2012, Pub. No. CEC-400-2012-006-CMF-REV, § 1.2.2. p. 1 - 4, available at [http://www.energy.ca.gov/2012publications/CEC-400-2012-006/CEC-400-2012-006-CMF-REV .pdf](http://www.energy.ca.gov/2012publications/CEC-400-2012-006/CEC-400-2012-006-CMF-REV.pdf).