

July 24, 2017

Dear CBECC-Res user:

CBECC-Res 2016.3.0 was approved by the California Energy Commission on July 12, 2017 and is now available for [download at the project website](#) to show compliance with the 2016 Building Energy Efficiency Standards.

CBECC-Res 2016.3.0 replaces all previous versions of CBECC-Res 2016. CBECC-Res 2016.2.1 will expire on October 24, 2017. When demonstrating compliance with the 2016 Standards, CBECC-Res 2016.3.0 must be used for permit applications made on or after October 25, 2017.

Summary of changes: CBECC-Res 2016.3.0 includes the following improvements made since the previous releases, along with additional smaller updates and bug fixes:

1. Corrects the rounding bug sometimes encountered when new windows are added to an existing zone
2. Corrects several water heater bugs for Existing + Alteration + Addition models
3. Accommodates the new federal UEF rating for water heaters
4. Pipe insulation on hot water pipes required by the Plumbing Code is included in the standard distribution system
5. Includes more specific models for NEEA heat pump water heaters
6. Adds the ability to enter a decimal R-Value for rigid insulation (such as R-4.2)
7. Adds a check box to indicate if roof deck insulation covers the framing or not
8. Changes the 1-coat stucco exterior wall finish selection of 'R4 synthetic stucco' by removing the sheathing R-value and renaming it as 'Synthetic Stucco'.
9. Raises the standard design furnace AFUE to 80% to match the appliance regulations
10. Improved the Energy Design Rating (EDR) inputs and features, such as:
 - a) PV system size limited to a default factor of 1.6 times the proposed design electricity use when a battery is also installed
 - b) Optional checkbox to override the default 1.6 times PV system size limitation
 - c) Optional battery storage when a PV system is installed with a minimum battery size of 6.0 kWh
 - d) Ability to set a target EDR score so the software will automatically determine the PV system size needed to meet the target score

Technical support: If you need general help with the software, please check the CBECC-Res FAQs and User Manual, which can be downloaded from the [project website](#). A Quick Start Guide and the User Manual can also be accessed by clicking on the program's Help menu.

If you need additional technical assistance with the software, please email CBECC-Res Support at cbecc.res@gmail.com (if you send an .ribd file, please mention the CBECC-Res version number).

Best Regards,

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