RESOLUTION NO: 16-0914-1e-2

STATE OF CALIFORNIA

ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION

2016 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Parts 1 and 6	**Docket No. 16-BSTD-04**

RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION APPROVING THE 2016 PUBLIC DOMAIN RESIDENTIAL COMPLIANCE SOFTWARE CBECC-RES 2016.2.1

WHEREAS, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code Sections 25000 et seq., 25402.1, Subdivision (b), requires the California Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its *Building Energy Efficiency Standards*; and

WHEREAS, the 2016 public domain California Building Energy Code Compliance – Residential software, CBECC-Res 2016.2.1, estimates energy consumed by residential buildings under Public Resources Code Section 25402.1, Subdivision (a), for demonstrating compliance with the performance-based residential provisions of the *2016 Building Energy Efficiency Standards*, California Code of Regulations, Title 24, Parts 1, Chapter 10, and 6; and

WHEREAS, as described in the CBECC-Res 2016.2.1 Summary of Residential ACM Tests presented to the Energy Commission along with this resolution, staff of the Energy Commission has reviewed and tested CBECC-Res 2016.2.1 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the *2016 Alternative Calculation Method Approval Manual* (ACM Approval Manual), CEC-400-2015-039-CMF (June 2015).

THEREFORE, the Energy Commission approves CBECC-Res 2016.2.1 for estimating energy consumed by residential buildings as specified in Public Resources Code Section 25402.1, Subdivision (a), and for demonstrating compliance with the

performance-based residential provisions of the *2016 Building Energy Efficiency Standards*, California Code of Regulations, Title 24, Parts 1 and 6; and

THEREFORE, the Energy Commission rescinds its approval of previous versions of CBECC-Res 2016 for estimating energy consumed by residential buildings under Public Resources Code Section 25402.1, Subdivision (a), and demonstrating performance compliance with the performance-based residential provisions of the *2016 Building Energy Efficiency Standards* for permit applications made on or after December 19, 2016; and

THEREFORE, the Energy Commission directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this resolution, including:

- Posting information on the Energy Commission's public website as to how to obtain CBECC-Res 2016.2.1;
- Ensuring that CBECC-Res 2016.2.1 and the *2016 Residential Alternative Calculation Method (ACM) Reference Manual* are maintained and revised to accurately estimate the energy use of residential buildings, including correcting functional and analytical errors, and incorporating software modules that address compliance options and additional building systems, assemblies and construction materials; and
- Reviewing and approving updates to the vender software, consistent with Section 1.3 of the ACM Approval Manual.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on September 14, 2016.

AYE: Weisenmiller, McAllister, Hochschild, Scott
NAY: None
ABSENT: Douglas
ABSTAIN: None

Original Signed by

Cody Goldthrite
Secretariat