

## DOCKETED

<b>Docket Number:</b>	15-BSTD-04
<b>Project Title:</b>	Residential and Nonresidential Software and related ACM Reference Manuals
<b>TN #:</b>	206703
<b>Document Title:</b>	Resolution of the Energy Commission Certifying the 2016 Public Domain Residential Compliance Software CBECC-RES Version 2016.1.0
<b>Description:</b>	N/A
<b>Filer:</b>	Tiffani Winter
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Energy Commission
<b>Submission Date:</b>	11/19/2015 12:39:47 PM
<b>Docketed Date:</b>	11/19/2015

**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. 15-BSTD-04  
Resolution No. 15-1112-9c**

**RESOLUTION OF THE ENERGY COMMISSION  
CERTIFYING THE 2016 PUBLIC DOMAIN  
RESIDENTIAL COMPLIANCE SOFTWARE  
CBECC-RES VERSION 2016.1.0**

**WHEREAS**, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subdivision (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; and

**WHEREAS**, the 2016 public domain California Building Energy Code Compliance – Residential (CBECC-Res) software, Version 1.0, 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 Summary of Residential ACM Tests presented to the Energy Commission along with this proposed resolution, staff of the Energy Commission has reviewed and tested CBECC-Res, Version 2016.1.0, to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the Alternative Calculation Method Approval Manual, CEC-400-2015-039-CMF (June 2015); and

**WHEREAS**, the Energy Commission approves CBECC-Res pursuant to California Code of Regulations, Title 24, Part 1, Chapter 10, section 10-109; and

**THEREFORE**, the Energy Commission approves CBECC-Res, Version 2016.1.0, 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 directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this resolution, as follows:

- To post information on the Energy Commission's public website as to how to obtain CBECC-Res, Version 2016;
- To ensure that CBECC-Res, Version 2016 and the 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;
- To review and approve updates to the vender software, consistent with Section 1.3 of the 2016 Alternative Calculation Method (ACM) Approval Manual.

Date: November 12, 2015

### **CERTIFICATION**

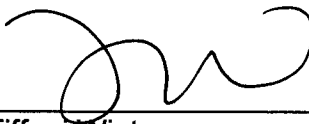
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly approved at a meeting of the California Energy Commission held on November 12, 2015.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



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Tiffani Winter,  
Secretariat