DOCKETED

Docket Number:	19-BSTD-01
Project Title:	2019 Alternative Calculation Method Reference Manuals and Compliance Software Tools
TN #:	239698
Document Title:	Resolution Certifying the 2019 Public Domain Nonresidential Compliance Software CBCC-COM 201920
Description:	Resolution No. 21-0908-7a1
Filer:	Liza Lopez
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

IN THE MATTER OF:

2019 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6

Docket No. 19-BSTD-01

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION
CERTIFYING THE 2019 PUBLIC DOMAIN
NONRESIDENTIAL COMPLIANCE SOFTWARE
CBECC-COM 2019.2.0**

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

WHEREAS, the 2019 public domain California Building Energy Code Compliance – Nonresidential (CBECC-Com 2019.2.0) software, estimates energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), for demonstrating compliance with the performance-based nonresidential provisions of the *2019 Building Energy Efficiency Standards* (Energy Code), California Code of Regulations, Title 24, Parts 1, Chapter 10, and 6; and

WHEREAS, staff of the CEC has reviewed and tested CBECC-Com 2019.2.0 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the *2019 Alternative Calculation Method Approval Manual* (Approval Manual), CEC-400-2018-023-CMF (December 2018).

THEREFORE, the CEC approves CBECC-Com 2019.2.0 for estimating energy consumed by nonresidential buildings as specified in Public Resources Code section 25402.1, subdivision (a), and for demonstrating compliance with the performance-based nonresidential provisions of the 2019 Energy Code, California Code of Regulations, Title 24, Parts 1 and 6; and

THEREFORE, the CEC rescinds its approval of previous versions of CBECC-Com 2019 for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1, Subdivision (a), and demonstrating performance

compliance with the performance-based nonresidential provisions of the 2019 Energy Code for permit applications made on or after January 1, 2022; and

THEREFORE, pursuant to the 2019 Approval Manual, sections 1.3.1 and 1.5.1, the CEC rescinds its approval of the alternative calculation methods (also known as computer compliance programs) EnergyPro Versions 8.0, 8.1, and 8.2; IES VE Title 24 2019 Version 1.0; and any other alternative calculation method which incorporates the previously approved CBECC-Com 2019.1.0, 2019.1.1, 2019.1.2, or 2019.1.3 compliance manager for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1, Subdivision (a), and demonstrating compliance with the performance-based nonresidential provisions of the 2019 Energy Code; and

THEREFORE, the private software vendors of the alternative calculation methods identified above must integrate the CBECC-Com 2019.2.0 compliance manager software and provide the CEC with an updated copy of the software and user manual within 45 days, by Wednesday, November 17, 2021, under the 2019 Approval Manual, section 1.2.1, to have approved software for demonstrating compliance with the performance-based nonresidential provisions of the 2019 Energy Code for permit applications made on or after January 1, 2022; and

THEREFORE, the CEC directs the executive director to review and approve updates to the alternative calculation methods identified above that integrate the CBECC-Com 2019.2.0 compliance manager software; and

THEREFORE, the CEC directs the executive director to take, on behalf of the CEC, all actions reasonably necessary to implement this resolution, including:
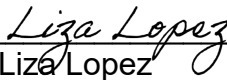
- To post information on the CEC's public website as to how to obtain CBECC-Com 2019.2.0.

- To ensure that CBECC-Com 2019.2.0 and the *2019 Nonresidential Alternative Calculation Method (ACM) Reference Manual* are maintained and revised to accurately estimate the energy use of nonresidential 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 vendor software, consistent with section 1 of the 2019 Approval Manual.

Date: September 8, 2021

CERTIFICATION

The undersigned Secretariat to the CEC 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 CEC held on September 8, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE

Liza Lopez
Liza Lopez
Secretariat