

# Memorandum

To: Commissioners

Date: December 2, 2019

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From: **RJ Wichert**  
**Efficiency Division**  
**California Energy Commission**  
1516 Ninth Street  
Sacramento CA 95814-5512

Subject: **ENERGYPRO 8.0 SUMMARY OF NONRESIDENTIAL ACM TESTS**

EnergySoft's EnergyPro Version 8.0 software has been submitted for approval as a nonresidential alternative calculation method (ACM) for complying with the 2019 Building Energy Efficiency Standards.

The 2019 ACM Approval Manual CEC-400-2018-023-CMF (December 2018), specifies the requirements for approving vendor software in Section 1. EnergySoft provided all required items and staff reviewed them to make sure they meet all applicable requirements.

Appendix B and C of the ACM Approval Manual include the details of the certification tests required for applicant software. The purpose of ACM testing is to demonstrate that software successfully integrates the CBECC-Com compliance manager into the third party vendor software. A test data set with specific description and details of the tests, inputs, and a spreadsheet of compliance results is provided as [back-up materials and can be found on the 19-BSTD-01 Docket here](#), <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-BSTD-01>.

Staff evaluated EnergyPro 8.0 to ensure it meets the requirements, specifications, and criteria for compliance software set forth in the 2019 ACM Approval Manual.

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. 16-OIR-05**

**[PROPOSED] RESOLUTION  
APPROVING 2019 NONRESIDENTIAL  
COMPLIANCE SOFTWARE  
ENERGYPRO VERSION 8.0**

**WHEREAS**, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1(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**, as allowed by the *2019 Building Energy Efficiency Standards* (Energy Code), California Code of Regulations, Title 24, Part 1, Chapter 10, sections 10-109(c) and 10-110, an application was submitted to approve EnergyPro 8.0 as an alternative calculation method (ACM); and

**WHEREAS**, staff of the CEC reviewed and tested EnergyPro 8.0 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the *2019 ACM Approval Manual*, CEC-400-2018-023-CMF (December 2018); and

**THEREFORE**, the CEC approves EnergyPro 8.0, pursuant to Energy Code section 10-109, for estimating energy consumed by nonresidential buildings as specified in Public Resources Code section 25402.1(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 directs the executive director to take, on behalf of the CEC, all actions reasonably necessary to implement this resolution, as follows:

- To post information on the CEC's public website as to how to obtain EnergyPro 8.0;
- To ensure that EnergyPro 8.0, a Nonresidential ACM, is maintained and revised to accurately estimate the energy use of nonresidential buildings,
- To review and approve updates to vender software, consistent with Section 1 of the 2019 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 CEC held on December 11, 2019.

AYE:

NAY:

ABSENT:

ABSTAIN:

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Cody Goldthrite  
Secretariat