

CALIFORNIA ENERGY COMMISSION

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**2013 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Part 6 and Part 1, Chapter 10****Docket No. 12-BSTD-01
Resolution No. 15-0527****APPROVAL BY THE EXECUTIVE DIRECTOR OF
ENERGYPRO VERSION 6.6 NONRESIDENTIAL COMPLIANCE SOFTWARE**

The Executive Director hereby approves EnergyPro 6.6 as an alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10 (Standards).

Public Resources Code sections 25000 et seq., 25402.1, subd. (b), require the Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its Building Energy Efficiency Standards.

EnergyPro 6.6 integrates the revised compliance manager approved by the Energy Commission on March 24, 2015, as part of the Application Programming Interface in the 2013 Public Domain California Building Energy Code Compliance - Commercial (CBECC-Com) software, Version 3b.

The update includes the following functional changes:

- Revised fan-power part-load performance curve for multi-zone VAV systems.
- Reduced the size of the AnalysisResults.xml file and fixed results retrieval errors.
- Provides the enhanced NRCC-PRF-01-E form.
- Updated the ruleset to modify how the software processes zones with unmet load hours (UMLH).
- Added additional window and skylight definitions to the standard design library.
- Updated the User Interface (UI) to support features of the new performance compliance report (NRCC-PRF-01-E) as follows:
 - Two-dimensional (simplified geometry) shading options;
 - New user inputs and Standards Data Dictionary (SDD) items to incorporate the expanded performance compliance report.

The following corrections are included in Version 3b:

- Ventilation rule implementation error for some occupancies.
- Water heating sizing calculations.
- Night Cycling algorithm to allow the intended operation of night cycling.
- Internal default supply air temperature settings from 60 to 55 degrees F for specific applications.
- Miscellaneous reported issues.

Information for obtaining EnergyPro 6.6 is posted on the Energy Commission's 2013 Standards website for approved computer compliance programs:
www.energy.ca.gov/title24/2013standards/2013_computer_prog_list.html.



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Executive Director