

STATE OF CALIFORNIA

Energy Resources Conservation
And Development Commission

2013 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6

Docket No. 12-BSTD-01

**RECOMMENDATION BY THE EXECUTIVE DIRECTOR TO THE ENERGY
COMMISSION TO APPROVE ENERGYPRO VERSION 6.5
NONRESIDENTIAL COMPLIANCE SOFTWARE**

The Executive Director of the California Energy Commission (Energy Commission) recommends that the Energy Commission approve EnergyPro Version 6.5 as an alternative calculation method for demonstrating compliance with the performance approach of 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).

Section 10-109(c)(2) of the Standards authorizes the Energy Commission to approve non-public domain computer programs as an alternative calculation method that building permit applications may then use to demonstrate compliance with the Standards.

Pursuant to section 10-109(c)(2), the applications for approval of Alternative Calculation Methods must include documentation demonstrating the nonresidential software meets the requirements, specifications, and criteria in the Nonresidential Approval Manual. The Nonresidential Approval Manual requires Alternative Calculation Method software to incorporate the Compliance Manager from the nonresidential public domain compliance software. California Building Energy Code Compliance Commercial (CBECC-Com) is the nonresidential public domain compliance software approved by the Energy Commission and contains the Compliance Manager that Nonresidential Alternative Calculation Methods are required to incorporate. The Compliance Manager contains an element known as the CBECC-Com Application Program Interface (API).

As allowed by the 2013 Standards, an application has been submitted to approve EnergyPro v6.5 as an alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the Standards. Pursuant to Section 10-110 of the Standards, the Executive Director of the California Energy Commission has determined that the application is complete with all of the supporting information required in Section 10-109 of the Standards.

Executive Director Recommendation
to Approve EnergyPro v6.5 as
Nonresidential Compliance Software

Energy Commission staff has reviewed the application and has tested EnergyPro v6.5. EnergyPro v6.5 software uses the simplified geometry two dimensional option of the CBECC-COM API to generate the building definition used to calculate the performance compliance budgets. Therefore this version of the software cannot model additional daylighting credits beyond the mandatory requirements and it cannot model the shading of windows and glazed doors. Supporting documentation and computer runs that demonstrate EnergyPro v6.5 meets the requirements have been included in the backup materials to the agenda item, where the Energy Commission will consider whether to approve EnergyPro v6.5, for the April 08, 2015 Business Meeting. Energy Commission staff has determined that EnergyPro v6.5 meets the requirements, specifications, and criteria set forth in the Nonresidential Alternative Calculation Method Approval Manual, CEC-400-2012-006-CMF-REV (April 2014), as required by California Code of Regulations, Title 24, Part 1, Chapter 10, Section 10-109(c)(2).

Pursuant to subsection (e) of Section 10-110 of the Standards, the complete application package, any additional information considered by the Executive Director, and this Recommendation shall be considered at the April 08, 2015 meeting, which is the next business meeting after the submission of this Recommendation.

Therefore, the Executive Director recommends the California Energy Commission approve EnergyPro v6.5 as an alternative calculation method for demonstrating compliance with the performance approach of the nonresidential provisions of the 2013 Standards.



ROBERT P. OGLESBY
Executive Director

STATE OF CALIFORNIA

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2013 Building Energy Efficiency Standards,
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Docket No. 12-BSTD-01
Order No. 15-0408-5

**ORDER TO APPROVE *ENERGYSOFT'S ENERGYPRO VERSION 6.5 AS 2013
NONRESIDENTIAL COMPLIANCE SOFTWARE***

The California Energy Commission (Energy Commission) adopts the Executive Director's recommendation, attached as Exhibit A, and approves EnergyPro Version 6.5 for nonresidential buildings (EnergyPro v6.5 nonresidential) 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).¹

As stated in the Executive Director's Recommendation, pursuant to Section 10-110 of the Standards, the Executive Director of the Energy Commission has reviewed Energysoft's application for EnergyPro Version 6.5 nonresidential to be an Alternative Calculation Method and has found the application to be complete with all of the supporting information required in Section 10-109 of the Standards. Energy Commission staff has tested EnergyPro Version 6.5 nonresidential and the Executive Director has determined that EnergyPro Version 6.5 nonresidential meets all the requirements, specifications, and criteria set forth in the Nonresidential Alternative Calculation Method Approval Manual, CEC-400-2012-006-CMF-REV (April 2014), as required section 10-109(c)(2) of the Standards. The Energy Commission has considered the Executive Director's Recommendation, the complete application package, any comments submitted to the Energy Commission regarding this matter, any comments made at today's Business Meeting, and any Energy Commission staff responses to comments on this matter.

The Energy Commission confirms the Executive Director's findings and adopts his Recommendation to approve the EnergyPro Version 6.5 nonresidential software as an Alternative Calculation Method that building permit applicants may use to demonstrate compliance with the nonresidential provisions of the 2013 Standards.

The Energy Commission directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this order, including, but

¹ This action was considered as item 5 on the agenda of the Business Meeting on April 08, 2015.

Docket No. 12-BSTD-01
Order No. 15-0408-xx

not limited to, posting information on obtaining EnergyPro v6.5 on the Energy Commission's publicly-accessible internet web site.

IT IS SO ORDERED.

Date: April 08, 2015

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on April 08, 2015.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



Harriet Kallemeyn,
Secretariat