

Proposal Summary



2022 California Energy Code (Title 24, Part 6)

Nonresidential Daylighting - Exterior Shading Thermal Breaks

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Introduction

The document summarizes proposed revisions to the California Energy Code (Title 24, Part 6) that will be discussed during a utility-sponsored stakeholder meeting on September 5, 2019. The Statewide Utility Codes and Standards Enhancement (CASE) Team is seeking input and feedback. To provide your comments, email info@title24stakeholders.com by September 19, 2019.

Measure Description

Thermal Breaks

This submeasure would add a mandatory requirement for thermal breaks that mitigate heat transfer where exterior shading devices connect to interior spaces. The measure would likely only apply in certain climate zones.

Draft Code Language

The proposed changes to the Standards and Reference Appendices are provided below. Changes to the 2019 documents are marked with red underlining (new language) and ~~strikethroughs~~ (deletions).

Standards

SECTION 100.1 – DEFINITIONS AND RULES OF CONSTRUCTION

THERMAL BREAK is a material or assembly of materials which have a low thermal conductivity and completely separates two other materials.

SECTION 110.6 – MANDATORY REQUIREMENTS FOR FENESTRATION PRODUCTS AND EXTERIOR DOORS

(d) **Exterior shading thermal breaks.** Any overhang, exterior light shelf or exterior louver with more than square feet of surface area installed in climate zones __, __ or __ shall incorporate thermal breaks with a conductivity less than or equal to 0.45 BTU in/ hr sf degree F per ASTM C518 that separate the shading's mounting surfaces from the exterior wall.

