

Proposal Summary



2022 California Energy Code (Title 24, Part 6)

Multifamily High Performance Envelope – Improved Fenestration Properties

Updated: Friday August 2nd, 2019

Prepared by Matthew Christie, TRC

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 August 22, 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 5, 2019.

Measure Description

Improved Fenestration U-factor, solar heat gain coefficient (SHGC) and visible transmittance (VT) – align fenestration U-factor, SHGC, and VT requirements across multifamily buildings based on construction type and whether the fenestration is factory-assembled versus site-assembled rather than number of habitable stories. Address higher performance fenestration including triple pane windows where feasible.

This measure will include requirements for fenestration efficiency that are categorized by construction type (e.g. wood framed vs metal framed) and/or fenestration assembly method, rather than number of stories, to harmonize multifamily requirements.

Draft Code Language

The California Energy Commission (Energy Commission) plans to create a multifamily chapter for inclusion in 2022 Title 24, Part 6. The multifamily chapter will draw from the appropriate sections of the 2019 residential and nonresidential Standards. The Statewide CASE Team uses the language and section numbering from residential and nonresidential Standards and Reference Appendices to show the proposed changes below. Changes to the 2019 documents are marked with red underlining (new language) and ~~strikethroughs~~ (deletions). Expected sections or tables of the proposed code (but not specific changes at this time) are highlighted in **yellow**. These changes are specific to multifamily buildings and not indicative of changes that apply to residential or nonresidential buildings.

Standards

There will be a new component package table within the multifamily chapter listing the Multifamily Standard Building Design criteria, similar to the current Table 150.1-B. In this table, U-factor, SHGC, and VT will be displayed by either construction type, or window assembly type as per the mock-up example shown below. The specific construction/window type labels, the quantity of different labels, the window



Additionally, a version of the current Sections 150.1(c).3.A and 150.1(c).4 will be newly created in the multifamily chapter and will apply to all multifamily buildings. These sections are likely to follow the same language as currently used, but also properly cross reference the new multifamily chapter section numbers. They may, based on Statewide CASE Team research, include new exceptions.

Reference Appendices

No changes proposed