

# Proposal Summary



## 2022 California Energy Code (Title 24, Part 6)

### Multifamily Indoor Air Quality - Kitchen Range Hood Capture Efficiency Requirement

Updated: Thursday, August 15, 2019

Prepared by Marian Goebes and Gwen McLaughlin, 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](mailto:info@title24stakeholders.com) by September 5, 2019.

#### Measure Description

A requirement that kitchen range hoods in new multifamily units meet a minimum capture efficiency.

#### Draft Code Language

The 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**.

#### Standards

##### 100.1 Definitions and Rules of Construction

ASTM E3087-18 is the American Society of Testing and Materials document titled "Standard Test Method for Measuring Capture Efficiency of Domestic Range Hoods", 2018

##### 120.1 Requirements for Ventilation and Indoor Air Quality

**120.1(b)2A vi.** Every kitchen range shall have a vented range hood. Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2 and rated sound shall be no greater than 3 sones at one or more airflow settings greater than or equal to 100 cfm. Kitchen range hoods shall have a rated capture efficiency of at least XX percent in accordance with ASTM E3087-18.



EXCEPTION 5 to Section 141.0(b): The requirements of Section 120.1(b)2A vi shall not apply to alterations where a range hood vent is not available and an unvented kitchen range hood is installed with a rated sound no greater than 3 sones at one or more airflow settings greater than or equal to 100 cfm and has a kitchen range hood capture efficiency of at least xx percent in accordance with ASTM E3087-18.

### **Section 150.0(o) Requirements for Ventilation and Indoor Air Quality**

**150.0(o)G.** Every kitchen range shall have a vented range hood. Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2 and rated sound shall be no greater than 3 sones at one or more airflow settings greater than or equal to 100 cfm. Kitchen range hoods in multifamily units shall have a rated kitchen range hood capture efficiency of at least xx percent in accordance with ASTM E3087-18.

EXCEPTION 3 to Section 150.2(b): The requirements of Section 150.0(o)G shall not apply to alterations where a range hood vent is not available and an unvented kitchen range hood is installed with a rated sound no greater than 3 sones at one or more airflow settings greater than or equal to 100 cfm and has a kitchen range hood capture efficiency of at least xx percent in accordance with ASTM E3087-18.