

Proposal Summary



2022 California Energy Code (Title 24, Part 6)

Multifamily Domestic Hot Water – Solar Thermal

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Introduction

The document summarizes the status of proposed revisions to the California Energy Code (Title 24, Part 6) that will be discussed during Round 2 of the utility-sponsored stakeholder meeting on March 17, 2020. The Statewide Utility Codes and Standards Enhancement (CASE) Team is seeking input and feedback. To provide your comments, email info@title24stakeholders.com.

Measure Description

The Statewide Codes and Standards Enhancement (CASE) Team (the Team) has evaluated the solar thermal measure that would prescriptively require a solar thermal system with a minimum solar fraction in multifamily buildings under a specific building height, for all hot water system types.

The Team evaluated increasing the cost effectiveness of increasing the solar fraction to 0.5 for the five-story mixed use multifamily prototype building. The change was found to be not cost effective for nearly all climate zones; the change was marginally cost effective for climate zones 5 and 14, based on baseline system thermal efficiency. Adding solar thermal was not found to be cost effective for individual gas heating systems in the low-rise prototypes.

The recommended code change from this measure modifies the performance approach, to incorporate the revised CSE model that allows for hourly modeling of offset heating energy from solar thermal production.

Draft Code Language

No code change proposed.

