

**INITIAL STATEMENT OF REASONS
FOR PROPOSED BUILDING STANDARDS
OF THE DIVISION OF THE STATE ARCHITECT-STRUCTURAL SAFETY
(DSA-SS)
REGARDING THE 2022 CALIFORNIA MECHANICAL CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 4
(DSA-SS 01/24)**

The Administrative Procedure Act (APA) requires that an Initial Statement of Reasons be available to the public upon request when rulemaking action is being undertaken. The following information required by the APA pertains to this particular rulemaking action:

STATEMENT OF SPECIFIC PURPOSE, PROBLEM, RATIONALE and BENEFITS

Government Code Section 11346.2(b)(1) requires a statement of specific purpose of each adoption, amendment, or repeal and the problem the agency intends to address and the rationale for the determination by the agency that each adoption, amendment, or repeal is reasonably necessary to carry out the purpose and address the problem for which it is proposed. The statement shall enumerate the benefits anticipated from the regulatory action, including the benefits or goals provided in the authorizing statute.

The Division of the State Architect – Structural Safety (DSA-SS) proposes to repeal the 2021 edition of the Uniform Mechanical Code (UMC) and adopt the 2024 edition of the UMC, published by the International Association of Plumbing and Mechanical Officials, for codification and effectiveness as the 2025 California Mechanical Code (CMC). DSA-SS proposes this action in order to comply with state law requiring state agencies to adopt the latest edition model code within one year of the publication date.

Building standards proposed by DSA-SS for adoption would be applicable to public elementary and secondary schools, community colleges, and state-owned or state-leased essential services buildings.

No new amendments to the 2024 edition UMC are being proposed by DSA-SS. DSA-SS proposes to carry forward existing California amendments from the 2022 CMC into the 2025 CMC.

**ITEM 1
CHAPTER 1, ADMINISTRATION**

DSA-SS proposes to bring forward existing California amendments in Chapter 1, Division I from the 2022 California Mechanical Code for adoption into the 2025 edition of the California Mechanical Code (CMC) with the following amendments:

**ITEM 1-1
Section 1.1.1 Title**

DSA-SS proposes to update the general title statement to reflect the adoption of the 2024 Uniform Mechanical Code, the most recent edition of the model code.

Updating the edition of the model code referenced is required to meet Building Standards Law regarding the adoption of the most recent edition of model code within one year of the model code publication. This update will clarify the codes available for

use in construction and maintain the most current building standards for the protection of public health and welfare in the built environment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 2

CHAPTER 2, DEFINITIONS

DSA-SS proposes to adopt Chapter 2 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 3

CHAPTER 3, GENERAL REGULATIONS

DSA-SS proposes to adopt Chapter 3 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 4

CHAPTER 4, VENTILATION AIR SUPPLY

DSA-SS proposes to adopt Chapter 4 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 5

CHAPTER 5, EXHAUST SYSTEMS

DSA-SS proposes to adopt Chapter 5 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 6

CHAPTER 6, DUCT SYSTEMS

DSA-SS proposes to adopt Chapter 6 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 7

CHAPTER 7, COMBUSTION AIR

DSA-SS proposes to adopt Chapter 7 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 8

CHAPTER 8, CHIMNEYS AND VENTS

DSA-SS proposes to adopt Chapter 8 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 9

CHAPTER 9, INSTALLATION OF SPECIFIC APPLIANCES

DSA-SS proposes to adopt Chapter 9 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 10

CHAPTER 10, BOILERS AND PRESSURE VESSELS

DSA-SS proposes to adopt Chapter 10 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 11

CHAPTER 11, REFRIGERATION

DSA-SS proposes to adopt Chapter 11 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 12

CHAPTER 12, HYDRONICS

DSA-SS proposes to adopt Chapter 12 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 13

CHAPTER 13, FUEL GAS PIPING

DSA-SS proposes to adopt Chapter 13 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 14
CHAPTER 14, PROCESS PIPING

DSA-SS proposes to adopt Chapter 14 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 15
CHAPTER 15, SOLAR ENERGY SYSTEMS

DSA-SS proposes to adopt Chapter 15 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 16
CHAPTER 16, STATIONARY POWER PLANTS

DSA-SS proposes to adopt Chapter 16 of the 2024 UMC into the 2025 edition of the CMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 17
CHAPTER 17, GEOTHERMAL ENERGY SYSTEMS AND AMBIENT TEMPERATURE LOOPS

DSA-SS proposes to adopt Chapter 17 of the 2024 UMC without amendment.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 18
CHAPTER 18, REFERENCED STANDARDS

DSA-SS proposes to adopt Chapter 18 of the 2024 UMC with existing California amendments carried forward into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

ITEM 19

APPENDICES A, B, C, D, E, F, G, H, I and J

DSA-SS proposes to not adopt appendices A, B, C, D, E, F, G, H, I and J of the 2024 UMC into the 2025 edition of the CMC.

CAC Recommendation:

Approve.

Agency Response:

Accept.

TECHNICAL, THEORETICAL, AND EMPIRICAL STUDY, REPORT, OR SIMILAR DOCUMENTS

Government Code Section 11346.2(b)(3) requires an identification of each technical, theoretical, and empirical study, report, or similar document, if any, upon which the agency relies in proposing the regulation(s).

No technical, theoretical, or empirical studies or reports were used, as Section 18928 and Section 18941 of the Health & Safety Code mandates this proposed action.

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

Government Code Section 11346.2(b)(1) requires a statement of the reasons why an agency believes any mandates for specific technologies or equipment, or prescriptive standards are required.

No new prescriptive standards are proposed.

CONSIDERATION OF REASONABLE ALTERNATIVES

Government Code Section 11346.2(b)(4)(A) requires a description of reasonable alternatives to the regulation and the agency's reasons for rejecting those alternatives. In the case of a regulation that would mandate the use of specific technologies or equipment or prescribe specific action or procedures, the imposition of performance standards shall be considered as an alternate. It is not the intent of this paragraph to require the agency to artificially construct alternatives or describe unreasonable alternatives.

DSA has not identified any reasonable alternatives to the proposed action, and no adverse impact to small business due to these proposed changes is expected.

REASONABLE ALTERNATIVES THE AGENCY HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS

Government Code Section 11346.2(b)(4)(B) requires a description of any reasonable alternatives that have been identified or that have otherwise been identified and brought to

the attention of the agency that would lessen any adverse impact on small business.

DSA-SS has not identified any reasonable alternatives to the proposed action, and no adverse impact to small business due to these proposed changes is expected.

FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE ECONOMIC IMPACT ON BUSINESS

Government Code Section 11346.2(b)(5)(A) requires the facts, evidence, documents, testimony, or other evidence on which the agency relies to support an initial determination that the action will not have a significant adverse economic impact on business.

DSA-SS has no facts, evidence, documents, testimony, or other evidence indicating any potential significant adverse impact on business with regard to the proposed action.

ASSESSMENT OF EFFECT OF REGULATIONS UPON JOBS AND BUSINESS EXPANSION, ELIMINATION OR CREATION

Government Code Sections 11346.2(b)(2) and 11346.3(b)(1)

Pursuant to Government Code Section 11346.2(b)(5)(B)(ii) adoption of the model codes is exempt from identification of the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates in the Initial Statement of Reasons.

DSA-SS has assessed whether and to what extent this proposal will affect the following:

A. The creation or elimination of jobs within the State of California.

These regulations will not affect the creation or elimination of jobs within the State of California

B. The creation of new businesses or the elimination of existing businesses within the State of California.

These regulations will not affect the creation or elimination of existing businesses within the State of California.

C. The expansion of businesses currently doing business within the State of California.

These regulations will not affect the expansion of businesses currently doing business with the State of California

D. The benefits of the regulation to the health and welfare of California residents, worker safety, and the state's environment.

These regulations will bring California into compliance with the most recent edition of the national model code (i.e. the 2024 UMC, developed by the International Association of Mechanical and Mechanical Officials), thereby benefiting the welfare of residents, worker safety, and the state's environment.

ESTIMATED COST OF COMPLIANCE, ESTIMATED POTENTIAL BENEFITS, AND RELATED ASSUMPTIONS USED FOR BUILDING STANDARDS

Government Code Section 11346.2(b)(5)(B)(i) states if a proposed regulation is a building standard, the initial statement of reasons shall include the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates.

DSA estimates no costs as Section 18928 of the Health and Safety Code mandates the adoption of the most recent addition of the model code.

Pursuant to Government Code Section 11346.2(b)(5)(B)(ii) adoption of the model codes is exempt from identification of the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates in the Initial Statement of Reasons.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

Government Code Section 11346.2(b)(6) requires a department, board, or commission within the Environmental Protection Agency, the Resources Agency, or the Office of the State Fire Marshal to describe its efforts, in connection with a proposed rulemaking action, to avoid unnecessary duplication or conflicts with federal regulations contained in the Code of Federal Regulations addressing the same issues. These agencies may adopt regulations different from these federal regulations upon a finding of one or more of the following justifications: (A) The differing state regulations are authorized by law and/or (B) The cost of differing state regulations is justified by the benefit to human health, public safety, public welfare, or the environment.

The proposed regulations do not conflict with federal regulations.