

**EMERGENCY EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DIVISION OF THE STATE ARCHITECT – STRUCTURAL SAFETY**

**REGARDING PROPOSED CHANGES TO
THE CALIFORNIA GREEN BUILDING STANDARDS CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11**

These proposed regulations will amend the 2013 edition of the California Green Building Standards Code (CALGreen Code) for application by DSA-SS to public elementary and secondary schools, and community colleges.

Legend for Emergency Express Terms:

- 1. California language:** California language will appear in plain text.
- 2. Amended, or repealed language:** Amended or repealed language will appear in ~~strikeout~~.
- 3. Proposed adopted language:** Adopted language will appear in underline.

EMERGENCY EXPRESS TERMS

**CHAPTER 1
ADMINISTRATION**

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**SECTION 105
DIVISION OF THE STATE ARCHITECT**

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105.1.1 Application - Public elementary and secondary schools and community colleges. New building construction, alterations and additions and related site work on a new or existing site.

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**CHAPTER 2
DEFINITIONS**

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**SECTION 202
GENERAL**

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EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF). [DSA] For the purposes of this Part, ETAF means a factor of 0.65 that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency, two major influences upon the amount of water that needs to be applied to the landscape.

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HYDROZONE. ~~A portion of the landscaped area having plants with similar water needs.~~

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LANDSCAPE (PLANT) COEFFICIENT (KI). The product of the species factor multiplied by the density factor and the microclimate factor. $\{KI = K_s \times K_d \times K_{me}\}$ The landscape coefficient is used in the landscape water budget calculation. (UCCE, 2000)

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MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters. A California regulation commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations. The MWELO regulation establishes a structure for planning, designing, installing, maintaining and managing water efficient landscapes in new construction and rehabilitated projects.

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REFERENCE EVAPOTRANSPIRATION (ET_o). The estimated rate of evapotranspiration from a standardized surface of well-watered, actively growing cool season four to seven-inch (10.16 to 17.78 cm) turfgrass with sufficient density to fully shade the soil. The water needs of a landscape planting can be calculated by multiplying the Landscape Coefficient [KI] and Reference Evapotranspiration (ET_o).

SPECIAL LANDSCAPE AREA (SLA). [DSA] means an area of the landscape dedicated solely to edible plants, areas irrigated with recycled water, water features using recycled water and areas dedicated to active play such as parks, sports fields, golf courses, and where turf provides a playing surface. For the purposes of this Part, the additional water allowance for SLA's shall be 0.35.

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**CHAPTER 3
GREEN BUILDING**

3.01.1 Scope. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

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301.4 Public schools and community colleges. [DSA] Newly constructed buildings and facilities on new or existing sites shall comply with Chapter 5. Alterations of or additions to existing buildings shall only be required to comply with Chapter 5, Section 5.304.

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**CHAPTER 5 - NON-RESIDENTIAL MANDATORY MEASURES
DIVISION 5.3- WATER EFFICIENCY AND CONSERVATION**

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**SECTION 5.302
DEFINITIONS**

5.302.1 Definitions. The following terms are defined in Chapter 2.

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF).

GRAYWATER.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).

POTABLE WATER.

RECYCLED WATER.

SUBMETER.

SPECIAL LANDSCAPE AREAS (SLA).

WATER BUDGET.

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SECTION 5.304 **OUTDOOR WATER USE**

5.304.1 Outdoor potable water use in landscape areas 2,500 square feet or greater. [DSA] When potable water is used for outdoor irrigation for landscape projects 2,500 square feet or greater, one of the following shall apply:

1. A local water efficient landscape ordinance that is, based on evidence in the record, at least as effective in conserving water as the updated model ordinance adopted by the Department of Water Resources per Government Code Section 65595 (c) including an evapotranspiration adjustment factor (ETAF) of 0.65 and an additional water allowance for special landscape areas (SLA) of 0.35.
2. The California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELo) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations including an evapotranspiration adjustment factor (ETAF) of 0.65 and an additional water allowance for special landscape areas (SLA) of 0.35.

Note: The MWELo prescriptive measures to assist in compliance with the water budget are listed in Sections 492.4 through 492.8, 492.10 and 492.11 of the MWELo, which may be found at: <http://www.water.ca.gov/wateruseefficiency/docs/WaterOrdSec492.cfm>.

5.304.2 Alternate methods to reduce outdoor potable water use in landscape areas. [DSA] As allowed by a district's local city or county water or health agency, methods to reduce potable water use in landscape areas shall be permitted to include but are not limited to:

1. Use of captured rainwater, recycled water, or graywater designed per the *California Plumbing Code*.
 - a. Supplementary water supply: The use of potable water shall only be permitted as a back-up water supply for on-site water reuse systems.
2. Water treated for irrigation purposes and conveyed by a water district or public entity.

5.304.2.1 Authorized potable water use. The use of potable water shall be authorized where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency.

5.304.3 Outdoor water use in landscape areas 1,000 to 2,500 square feet. When water is used for outdoor irrigation for landscape projects at least 1,000 square feet but not more than 2,500 square feet, the following shall apply:

5.304.3.1 Irrigation controller and sensor application. In new nonresidential construction or building addition or alteration with at least 1,000 but not more than 2,500 square feet of cumulative landscaped area (the level at which the MWELO applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.

5.304.3.2 Controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:

1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change.
2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.

Note: More information regarding irrigation controller function and specifications is available from the Irrigation Association.

5.304.4 Outdoor water use meters. For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet (the level at which *Water Code* §535 applies), separate submeters or metering devices shall be installed for outdoor water use.

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Notation

Authority: Education Code Sections 17280—17317 and 81130--81147.

Reference(s): Education Code Sections 17310 and 81142.