FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)

REGARDING THE CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen)
CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 11

(The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific. (PART 1 – ADMINISTRATIVE CODE)

LEGEND FOR EXPRESS TERMS
1. New California amendments: All such language appears underlined.
2. Repealed text: All such language appears in ~~strikeout~~.

FINAL EXPRESS TERMS:

The California Building Standards Commission (CBSC) proposes to amend the 2013 edition of the California Green Building Standards Code (CALGreen) for the 2015 Triennial Code Cycle. Amended text is as follows:

ITEM NUMBERS LISTED BELOW

ITEM 1.CBSC Proposes to amend the Preface, Acknowledgements & Legend Agency Adoptions

PREFACE

This document is ~~the~~ Part 11th ~~-~~of ~~twelve~~ thirteen parts of the official triennial compilation and publication of the adoptions, amendments and repeal of regulations to *California Code of Regulations, Title 24,* also referred to as the *California Building Standards Code.* This part is known as the *California Green Building Standards Code,* and it is intended that it shall also be known as the *CALGreen Code*.

The *California Building Standards Code* is published in its entirety every…

ACKNOWLEDGEMENTS

The 201~~3~~6 *California Building Standards Code* (Code) was developed through the outstanding collaborative efforts of the Department of Housing and Community Development, the Division of the State Architect, the Office of the State Fire Marshal, the Office of Statewide Health Planning and Development, the California Energy Commission, the California Department of Public Health, the California State Lands Commission, the Board of State and Community Corrections, and the California Building Standards Commission (Commission).

This collaborative effort included the assistance of the Commission's Code Advisory Committees and many other volunteers who worked tirelessly to assist the Commission in the production of this Code.

Governor Edmund G. Brown Jr.

Members of the Building Standards Commission

Secretary ~~Anna Caballero~~ Marybel Batjer – Chair
~~James Barthman~~ Steven Winkel – Vice-Chair

~~Stephen Jensen~~ Elley Klausbruckner
~~Randy Twist~~ Larry Booth
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Kent Sasaki
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~~Rose Conroy~~ Cheryl Roberts
~~Sheila Lee~~ David Malcolm Carson
~~Richard Sierra~~ Pedro Santillan
James Barthman
Erick Mikiten

Jim McGowan – Executive Director
Michael L. Nearman – Deputy Executive Director

For questions on California state agency amendments; please refer to the contact list on page v.

LEGEND FOR AGENCY ADOPTIONS

Unless otherwise noted, state agency adoptions are indicated by the following banners in the section leaders:
Department…
California Building Standards Commission, CALGreen: **[BSC-CG]**
Division …
Office…

Notation:
Authority: Health and Safety Code § Sections 18930.5, 18934.5, and 18938.
Reference: Health and Safety Code §, Division 13, Part 2.5, commencing with Section 18901.

ITEM 2. CBSC Proposes to amend Chapter 1, Section 101 General

CHAPTER 1
ADMINISTRATION

SECTION 101
GENERAL

101.1 Title. These regulations shall be known as the *California Green Building Standards Code* and may be cited as such and will be referred to herein as "this code." It is intended that it shall also be known as the *CALGreen* Code. The *California Green Building Standards Code* is Part 11 of ~~twelve~~ thirteen parts of the official compilation and publication of the adoption, amendment and repeal of building regulations to the *California Code of Regulations*, Title 24, also referred to as the *California Building Standards Code*.

. . .

101.7 City, county, or city and county amendments, additions or deletions. This code is intended to set mandatory minimum Green Building Standards and includes optional tiers that may, at the discretion of any city, county, or city and county, be applied.

This code does not limit the authority of city, county, or city and county governments to make necessary changes to the provisions contained in this code pursuant to Section 101.7.1. The effective date of amendments, additions, or deletions to this code for cities, counties, or cities and counties filed pursuant to Section 101.7.1 shall be the date on which it is filed. However, in no case shall the

amendments, additions or deletions to this code be effective any sooner than the effective date of this code.

Local modifications shall comply with *Health and Safety Code* Section 18941.5(b) for Building Standards Law, *Health and Safety Code* Section 17958.5 for State Housing Law or *Health and Safety Code* Section 13869.7 for Fire Protection Districts.

101.7.1 Findings and filings.

1. The city, county, or city and county shall make express findings for each amendment, addition or deletion based upon climatic, topographical or geological conditions. For the purpose of this section, climatic, topographical or geological conditions include local environmental conditions as established by the city, county, or city and county.

2. The city, county, or city and county shall file the amendments, additions or deletions expressly marked and identified as to the applicable findings. Cities, counties, cities and counties, and fire departments shall file the amendments, additions or deletions and the findings with the California Building Standards Commission at 2525 Natomas Park Drive, Suite 130, Sacramento, CA 95833.

3. Findings prepared by fire protection districts shall be ratified by the local city, county, or city and county and filed with the California Department of Housing and Community Development at ~~1800 3rd Street, Room 260, Sacramento, CA 95811~~ 2020 West El Camino Avenue, Suite 250, Sacramento, CA 95833-1829.

4. The city, county, or city and county shall obtain California Energy Commission approval for any energy related ordinances consistent with *Public Resources Code* Section 25402.1(h)(2) and Title 24, Part 1, Section 10-106. Local governmental agencies may adopt and enforce energy standards for newly constructed buildings, additions, alterations and repairs, provided the California Energy Commission finds that the standards will require buildings to be designed to consume no more energy than permitted by Part 6. Such local standards include, but are not limited to, adopting the requirements of Part 6 before their effective date, requiring additional energy conservation measures, or setting more stringent energy budgets.

. . .

Notation:
Authority: Health and Safety Code § Sections 18930.5, 18934.5, and 18938.
Reference: Health and Safety Code §, Division 13, Part 2.5, commencing with Section 18901.

ITEM 3. CBSC Proposes to amend Chapter 1, Section 103 Building Standards Commission

SECTION 103
BUILDING STANDARDS COMMISSION

103.1 BSC-CG. Specific scope of application of the agency responsible for enforcement, the enforcement agency, and the specific authority to adopt and enforce such provisions of this code, unless otherwise stated.

~~**1. Application** – New construction, unless otherwise indicated in this code, of State buildings (all occupancies), including buildings constructed by the Trustees of the California State University and the Regents of the University of California.~~

~~**Enforcing agency** – State or local agency specified by the applicable provisions of law.~~

~~**Authority cited** – *Health and Safety Code* Section 18934.5.~~

~~**Reference** – *Health and Safety Code*, Division 13, Part 2.5, commencing with Section 18901.~~

~~2~~1. **Application –** All occupancies where no state agency has the authority to adopt green building standards applicable to those occupancies.

Enforcing agency – State or local agency specified by the applicable provisions of law.

Authority cited – *Health and Safety Code* Sections 18930.5(a), ~~and~~ 18938~~(b)~~, and 18940.5.

Reference – *Health and Safety Code*, Division 13, Part 2.5, commencing with Section 18901.

103.1.1 Adopting agency identification. The provisions of this code applicable to buildings identified in this section will be identified in the Matrix Adoption Tables under the acronym **BSC-CG**.

~~**3. University of California, California State Universities and California Community Colleges.**~~

~~**Application** – Standards for lighting for parking lots and primary campus walkways at the University of California, California State Universities and California Community Colleges.~~

~~**Enforcing agency** – State or local agency specified by the applicable provisions of law.~~

~~**Authority cited** – *Government Code* Section 14617.~~

~~**Reference** – *Government Code* Section 14617.~~

~~**4. Existing state-owned buildings, including those owned by the University of California and by the California State University.**~~

~~**Application** – Building seismic retrofit standards including abating falling hazards of structural and nonstructural components and strengthening of building structures. See also Division of the State Architect.~~

~~**Enforcing agency** – State or local agency specified by the applicable provisions of law.~~

~~**Authority cited** – *Health and Safety Code* Sections 16600.~~

~~**Reference** – *Health and Safety Code* Sections 16600 through 16604.~~

~~**5. Unreinforced masonry bearing wall buildings**.~~

~~**Application** – Minimum seismic strengthening standards for buildings specified in~~

~~Appendix Chapter 1 of the *California Existing Building Code*, except for buildings subject to building standards adopted pursuant to *Health and Safety Code* (commencing) with Section 17910.~~

~~**Enforcing agency** – State or local agency specified by the applicable provisions of law.~~

~~**Authority cited** – *Health and Safety Code* Section 18934.6.~~

~~**Reference** – *Health and Safety Code* Sections 18901 through 18949.~~

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 4. CBSC Proposes to amend Chapter 2, Section 202 Definitions

CHAPTER 2
DEFINITIONS

. . .

SECTION 202
DEFINITIONS

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HYBRID URINAL. A urinal that conveys waste into the drainage system without the use of water for flushing; and automatically performs a drain-cleansing action after a predetermined amount of time. *[Note: As defined in IAPMO IGC 311-2014]*

. . .

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable. *[Note: As defined in California Plumbing Code (CPC) Appendix L Section L 201.6]*

. . .

ORGANIC WASTE. Food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste. *[Note: As defined by Public Resources Code (PRC) Section 42649.8(c)]*

. . .

OVE. [BSC-CG] *[also adopted by DSA-SS]* Optimal Value Engineering, another term for advanced wood framing techniques.

. . .

POSTCONSUMER CONTENT. [BSC-CG] *[also adopted by DSA-SS]* Waste material generated by consumers after it is used and which would otherwise be discarded.

. . .

PRECONSUMER (or POSTINDUSTRIAL). [BSC-CG] *[also adopted by DSA-SS]* Material diverted from the waste stream during one manufacturing process, including scraps, damaged goods, and excess production, that is used in another manufacturing process.

. . .

RECYCLED CONTENT. [BSC-CG] *[also adopted by DSA-SS]* Refer to International Organization ~~of Standards~~ for Standardization ISO 14021 – Environmental labels and declarations – Self-declared

environmental claims (Type II environmental labeling).

. . .

RECYCLED CONTENT VALUE (RCV). [BSC-CG] *[also adopted by DSA-SS]* Material cost multiplied by postconsumer content plus ½ the preconsumer content, or RCV = $ X (postconsumer content + ½ preconsumer content).

. . .

UNIVERSAL WASTE. The wastes listed below are subject to regulation pursuant to Chapter 23 of Title 22, *California Code of Regulations*, and shall be known as "universal wastes."

(1) Batteries, as described in Title 22 CCR, Section 66273.2, Subsection (a);
(2) Electronic devices, as described in Title 22 CCR, Section 66273.3, Subsection (a);
(3) Mercury-containing equipment, as described in Title 22 CCR, Section 66273.4, Subsection (a);
(4) Lamps, as described in Title 22 CCR, Section 66273.5, Subsection (a);
(5) Cathode ray tubes, as described in Title 22 CCR, Section 66273.6, Subsection (a);
(6) Cathode ray tube glass, as described in Title 22 CCR, Section 66273.7, Subsection (a); and
(7) Aerosol cans, as specified in Health and Safety Code, Section 25201.16.
[Note: As defined by Title 22, CCR § 66261.9]

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 5. CBSC Proposes to amend Chapter 3, Section 301 General

CHAPTER 3
GREEN BUILDING

SECTION 301
GENERAL

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301.3 Nonresidential additions and alterations. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

. . .

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 6. CBSC Proposes to amend Chapter 3, Section 303 Phased Projects

SECTION 303
PHASED PROJECTS

303.1 Phased projects. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant ~~or occupant~~ improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 nonresidential additions and alterations.

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 7. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.1, Section 5.106 Site Development

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES
DIVISION 5.1
PLANNING AND DESIGN

. . .

SECTION 5.106
SITE DEVELOPMENT

…
5.106.4 Bicycle parking. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2.

5.106.4.1 Bicycle parking. [BSC-CG] . . .

5.106.4.1.1 Short-term bicycle parking. [BSC-CG] . . .

5.106.4.1.2 Long-term bicycle parking. For new buildings with ~~over~~ 10 or more tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following:

1. **. . .**
2. **. . .**
3. **. . .**

. . .

Notation:

Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 8. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.1, Section 5.106 Site Development

5.106.5.2 Designated parking for clean air vehicles. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 9. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.1, Section 5.106 Site Development

5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code,* the *California Electrical Code* and as follows:

5.106.5.3.1 Single charging space requirements. [N] …
5.106.5.3.2 Multiple charging space requirements. [N] …

5.106.5.3.3 EV charging space calculation. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: …

Table 5.106.5.3.3

Total number of actual parking spaces	Number of required spaces
~~0-50~~ 0-9	0
10-25	1
26-50	2
51-75	~~1~~ 4
76-100	~~2~~ 5
101- ~~200~~ 150	~~3~~ 7
151-200	10
201 and over	~~3%~~ [1] 6 Percent of total [1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification…
5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

Notes:

1. …
2. …
3. …

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938 (b) and 18941.10.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 10. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.1, Section 5.106 Site Development

5.106.8 Light pollution reduction. [N] Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the *California Energy Code* for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and
2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and
3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or

Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 140.7 of the *California Energy Code*.

2. Emergency lighting.

3. Building facade meeting the requirements in Table 140.7-B of the *California Energy Code*, Part 6.

4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 11. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.3, Section 5.302 Definitions

DIVISION 5.3
WATER EFFICIENCY AND CONSERVATION

. . .

SECTION 5.302
DEFINITIONS

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

. . .

METERING FAUCET

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 12. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.3, Section 5.303 Indoor Water Use

SECTION 5.303
INDOOR WATER USE

5.303.1 Meters. Separate submeters or metering devices shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2.
…
5.303.3 Water conserving plumbing fixtures and fittings…
5.303.3.1 Water closets. The effective flush volume…

Note: …
. . .

5.303.3.2 Wall mounted urinals…
5.303.3.2.1 Floor mounted urinals…

. . .
5.303.3.4 Faucets and Fountains.
5.303.3.4.1 Nonresidential Lavatory faucets...
5.303.3.4.2 Kitchen faucets…
5.303.3.4.3 Wash fountains…
5.303.3.4.4 Metering faucets...
5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per ~~minute~~ cycle /20 [rim space (inches) at 60 psi].

5.303.4 Commercial kitchen equipment.

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.

[Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.]

5.303.~~4~~5 Areas of addition or alteration.
For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table ~~1401.1~~ 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 13. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.4, Section 5.402 Definitions

DIVISION 5.4
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

. . .

SECTION 5.402
DEFINITIONS

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

. . .

ORGANIC WASTE

. . .
Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 14. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.4, Section 5.408 Construction Waste Reduction, Disposal and Recycling

SECTION 5.408
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of ~~50%~~ 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan . . .

5.408.1.2 Waste management company . . .

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the ~~50~~ 65 percent minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation . . .
[Note: See Item 27 for corresponding Tier amendments.]

Notation:

Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 15. CBSC Proposes to add a regulation in Division 5.4 Material Conservation and Resource Efficiency, Section 5.408.2 Universal Waste

5.408.2 Universal Waste. [A]

Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at:
http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEARA_REGS_UWR_FinalText.pdf

5.408.3 Excavated soil and land clearing debris. [BSC-CG] . . .
. . .

Notation:
Authority – Health and Safety Code Sections 18930.5, 18934.5 and 18938 (b).
Reference – Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 16. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.4, Section 5.410 Building Maintenance and Operation

SECTION 5.410
BUILDING MAINTENANCE AND OPERATION

5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. ~~[A]~~ All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site.

Exception: . . .

5.410.1.2 Sample ordinance . . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 17. CBSC Proposes to amend regulations in Division 5.4 Material Conservation and Resource Efficiency, Section 5.410 Building Maintenance and Operation

SECTION 5.410

BUILDING MAINTENANCE AND OPERATION

5.410.2 Commissioning. [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. All occupancies other than I-occupancies and L-occupancies shall comply with the *California Energy Code* as prescribed in *California Energy Code* Section 120.8. For I-occupancies which are not regulated by OSHPD or for I-occupancies and L-occupancies which are not regulated by the *California Energy Code* Section 100.0 Scope; all requirements in sections 5.410.2 through 5.410.2.6 shall apply.
Commissioning requirements shall include:

1. …
2. …
3. …
4. ...
5. …
6. …
7. …

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. ~~Commissioning requirements for energy systems covered by the *California Energy Code*.~~

~~5~~4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes …

~~All building operating systems covered by Title 24, Part 6, as well as process equipment and controls, and renewable energy systems shall be included in the scope of the commissioning requirements.~~

5.410.2.1 Owner's or Owner representative's Project Requirements (OPR). [N]
The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Energy efficiency goals ~~[Refer to 2013 *California Energy Code*, Section 120.8(b)]~~.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N]
A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Heating, ventilation, air conditioning [HVAC) systems and controls. ~~(Refer to 2013 *California Energy Code*, Section 120.8(c)].~~
2. Indoor lighting system and controls ~~[Refer to 2013 *California Energy Code* Section 120.8(c)].~~
3. Water heating system ~~[Refer to 2013 *California Energy Code* Section 120.8(c)].~~

4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

…

Notation
Authority: Health and Safety Code Sections 18930.5, 18934.5 and 18938 (b). [This one is for 180 days?]
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 18. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.5, Section 5.503 Fireplaces

DIVISION 5.5
ENVIRONMENTAL QUALITY

. . .

SECTION 5.503
FIREPLACES

5.503.1 ~~General~~ Fireplaces. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the *California Energy Code*, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstove and pellet stoves shall comply with U.S. EPA ~~Phase II~~ New Source Performance Standards (NSPS) emission limits ~~where~~ as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 19. CBSC Proposes to amend mandatory regulations in Chapter 5, Division 5.5, Section 5.504 Pollutant Control

SECTION 5.504
POLLUTANT CONTROL

5.504.1~~.3~~ Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction.
. . .

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.~~4~~ 6.
. . .

Notation:

Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 19.1 CBSC Proposes to amend mandatory regulations in Chapter 8, COMPLIANCE FORMS AND WORKSHEETS

CHAPTER 8

COMPLIANCE FORMS AND WORKSHEETS

[BSC] Sample forms…
[HCD 1] Sample forms…

WORKSHEET (WS-1)
BASELINE WATER USE

BASELINE WATER USE CALCULATION TABLE									
FIXTURE TYPE	**FLOW RATE**		**DURATION**		**DAILY USES**		**OCCUPANT[1]**		**GALLONS PER DAY**
Showerheads	2.0 gpm@80psi	☐	5 min.	☐	1	☐	Note 1a	=	
Lavatory faucets nonresidential	0.5 gpm@60psi	☐	.25 min.	☐	3			=	
Kitchen faucets	1.8 gpm@60psi	☐	4 min.	☐	1	☐	Note 1b	=	
Replacement aerators	2.2 gpm@60psi	☐		☐		☐		=	
Wash fountains	1.8gpm/20 [rim space (in.) @ 60 psi]	☐		☐		☐		=	
Metering faucets	0.20 gal/cycle	☐		☐	3	☐		=	
Metering faucets for wash fountains	0.20~~gpm~~ gal/cycle /20 [rim space (in.) @ 60 psi]	☐	.25 min.	☐		☐		=	
Gravity tank-type water closets	1.28 gal/flush	☐	1 flush	☐	1 male[2] 3 female	☐		=	
Flushometer tank water closets	1.28 gal/flush	☐	1 flush	☐	1 male[2] 3 female	☐		=	
Flushometer valve water closets	1.28 gal/flush	☐	1 flush	☐	1 male[2] 3 female	☐		=	
Electromechanical hydraulic water closets	1.28 gal/flush	☐	1 flush	☐	1 male[2] 3 female	☐		=	
Urinals	0.5 gal/flush	☐	1 flush	☐	2 male	☐		=	
Total daily baseline water use (BWU)								=	

1…
2…
Notation:
Authority: Health and Safety Code § Sections 18930.5, 18934.5, and 18938.
Reference: Health and Safety Code §, Division 13, Part 2.5, commencing with Section 18901.

ITEM 20. CBSC Proposes to amend voluntary regulations in Appendix A5, Division A5.1, Section A5.101 General

APPENDIX A5
NONRESIDENTIAL VOLUNTARY MEASURES
DIVISION A5.1
PLANNING AND DESIGN

. . .

SECTION A5.101
GENERAL

A5.101.1 ~~General~~ Scope. The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 21. CBSC Proposes to amend non-regulatory notes in Appendix A5, Division A5.1, Section A5.106 Site Development

SECTION A5.106
SITE DEVELOPMENT

. . .

A5.106.2 Storm water design. Design storm water runoff rate and quantity in conformance with Section A5.106.2.1 and storm water runoff quality by Section A5.106.~~3~~ 2.2 or by local requirements, whichever are stricter.

A5.106.2.1 Storm water runoff rate and quantity…
A5.106.2.2 Storm water runoff quality…

. . .

A5.106.5.1 Designated parking for ~~fuel-efficient~~ clean air vehicles. Provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table A5.106.5.1.1 or A5.106.5.1.2.

. . .

A5.106.5.1.4 Vehicle Designations. Building managers may consult with local community Transit Management Associations (TMAs) for methods of designating qualifying vehicles, such as issuing parking stickers.

Notes:

1. Information on qualifying vehicles, car labeling regulations and DMV ~~SOV stickers~~ CAV decals may be obtained from the following sources:
   a. California DriveClean.
   b. California Air Resources Board
   c. U.S. EPA fuel ~~efficiency~~ economy regulations and standards.
   d. DMV Registration Operations~~, (916) 657-6678 and ARB Public Information, (626) 575-6858~~.

2. Purchasing policy and refueling sites for low emitting vehicles for state employees use can be found at the Department of General Services.

. . .

A5.106.5.3.4 Future charging spaces qualify as designated parking as described in Section A5.106.5.1 Designated parking for clean air vehicles.

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 22. CBSC Proposes to amend voluntary regulations in Division A5.1, Section A5.106 related to EV Charging

SECTION A5.106
SITE DEVELOPMENT

A5.106.5.3 Electric vehicle (EV) charging. Construction shall comply with Section A5.106.5.3.1 and A5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code* ~~Section 406.9~~, and the *California Electrical Code* and as follows:

A5.106.5.3.1 Tier 1. Table A5.106.5.3.1 shall be used to determine the number of multiple charging spaces required ~~if single or multiple charging space requirements apply~~ for future installation of EVSE. Refer to Section 5.106.5.3.2 for design space requirements. ~~When a single charging space is required per Table A5.106.5.3.1, refer to Section 5.106.5.3.1 for design requirements. When multiple charging spaces are required, refer to Section 5.106.5.3.2 for design requirements.~~

A5.106.5.3.2 Tier 2. Table A5.106.5.3.2 shall be used to determine if single or multiple charging space requirements apply ~~the number of multiple charging spaces required~~ for future installation of EVSE. ~~Refer to Section 5.106.5.3.2 for design space requirements.~~ When a single charging space is required, refer to Section 5.106.5.3.1 for design requirements. When multiple charging spaces are required, refer to Section 5.106.5.3.2 for design requirements.

Table A5.106.5.3.1

Total number of actual parking spaces	**TIER 1 Number of required EV charging spaces**
~~0-50~~ 0-9	~~1~~ 0
10-25	2
26-50	3
51-75	~~2~~ 5
76-100	~~3~~ 7
101- ~~200~~ 150	~~5~~ 10
151-200	14
201 and over	~~4%~~ [1] 8 Percent of total [1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

Table A5.106.5.3.2

Total number of actual parking spaces	**TIER 2 Number of required EV charging spaces**
~~0-50~~ 0-9	~~2~~ 1
10-25	2
26-50	4
51-75	~~3~~ 6
76-100	~~4~~ 9
101- ~~200~~ 150	~~7~~ 12
151-200	17
201 and over	~~6%~~ [1] 10 Percent of total [1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

A5.106.5.3.3 Identification. The service panel…

A5.106.5.3.4 Future charging spaces…

. . .

Notation:
Authority – Health and Safety Code Sections 18930.5, 18934.5 and 18938 (b).
Reference – Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 22.1 CBSC Proposes to amend voluntary regulations in Division A5.3, Section A5.303 related to Indoor Water Use

SECTION A5.303

INDOOR WATER USE

…

TABLE A5.303.2.2
WATER USE BASELINE[3]

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS[2]
Showerheads	2.0 gpm @ 80 psi	5 min.	1	X[2a]
Lavatory faucets nonresidential	0.5 gpm @ 60 psi	.25 min.	3	X
Kitchen faucets	1.8 gpm @ 60 psi	4 min.	1	X[2b]
Replacement aerators	2.2 gpm @ 60 psi			X
Wash fountains	1.8 gpm/20 [rim space (in.) @ 60 psi]			X
Metering faucets	0.20 gallons/cycle	.25 min.	3	X
Metering faucets for wash fountains	0.20 ~~gpm~~ gallons/cycle /20 [rim space (in.) @ 60 psi]	.25 min.	1 male[1] 3 female	X
Gravity tank type water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Flushometer tank water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Flushometer valve water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Electromechanical hydraulic water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Urinals	0.5 gallons/flush	1 flush	2 male	X

1…
2…
3…

TABLE A5.303.2.3.1
FIXTURE FLOW RATES

FIXTURE TYPE	BASELINE FLOW-RATE[2]	MAXIMUM FLOW RATE AT 12 PERCENT REDUCTION
Showerheads	2.0 gpm @ 80 psi	1.8 gpm @ 80 psi
Lavatory faucets nonresidential[3]	0.5 gpm @ 60 psi	0.35 gpm @ 60 psi
Kitchen faucets[3]	1.8 gpm @ 60 psi	1.6 gpm @ 60 psi
Wash fountains	1.8 gpm/20 [rim space(in.) @ 60 psi]	~~1.6 [rim space(in.)/20 gpm @ 60 psi]~~ 1.6 gpm/20 [rim space(in.) @ 60 psi]
Metering faucets	0.20 gallons/cycle	0.18 gallons/cycle
Metering faucets for wash fountains	0.20 ~~gpm~~ gallons/cycle /20 [rim space(in.)/ @ 60 psi]	~~0.18 [rim space(in.)/20 gpm @ 60 psi]~~ 0.18 gallons/cycle /20 [rim space(in.)/ @

		60 psi]
Gravity tank type water closets	1.28 gallons/flush	1.12 gallons/flush[1]
Flushometer tank water closets	1.28 gallons/flush	1.12 gallons/flush[1]
Flushometer valve water closets	1.28 gallons/flush	1.12 gallons/flush[1]
Electromechanical hydraulic water closets	1.28 gallons/flush	1.12 gallons/flush[1]
Urinals	0.5 gallons/flush	0.44 gallons/flush

1...
2...
3...
Notation:
Authority: Health and Safety Code § Sections 18930.5, 18934.5, and 18938.
Reference: Health and Safety Code §, Division 13, Part 2.5, commencing with Section 18901.

ITEM 23. CBSC Proposes to amend voluntary regulations in Division A5.3, Section A5.303 related to Indoor Water Use

SECTION A5.303
INDOOR WATER USE

A5.303.3 Appliances and fixtures for commercial application. Appliances and fixtures shall meet the following:

1. Clothes washers shall have a maximum Water Factor (WF) that will reduce the use of water by 20 percent below the California Energy Commission' WF standards for commercial clothes washers located in *Title 20 of the California Code of Regulations*.
2. Dishwashers shall meet the following water use standards:
   a. Residential – ENERGY STAR
      i. Standard Dishwashers – 4.25 gallons per cycle.
   b. Commercial – ~~refer to Table A5.303.~~ Shall be in accordance with ENERGY STAR requirements. Refer to Table A5.303.3
3. Ice makers shall be air cooled.
4. Food steamers shall be connectionless or boilerless ~~.~~ and shall consume no more than 2 gallons of water per pan per hour, including condensate water, for batch type steamers, and no more than 5 gallons of water per pan per hour, including condensate water, for cook to order steamers.
5. [BSC-CG] The use and installation of water softeners that discharge to the community sewer system may be limited or prohibited by local agencies if certain conditions are met.
6. Combination ovens shall ~~not consume more than 10 gph (38 L/h) in the full operational mode.~~ use a maximum of 1.5 gallons of water per hour per pan, including condensate water.
7. Commercial pre-rinse spray valves shall be

8. Food waste pulping systems shall use no more than 2 gpm of potable water.

8.1 Note: potable water excludes on-site graywater use, such as dishwasher discharge water.

TABLE A5.303.3: COMMERICAL DISHWASHER WATER USE

Type	High-Temperature - Maximum Gallons Per Rack	***Low-Temperature – Maximum Gallons Per Rack***	
~~Conveyor~~ Single Tank Conveyor	0.70 (2.6 L)	≤ 0.79 (3 L)	
Multiple Tank Conveyor	≤ 0.54 (2 L)	≤ 0.54 (2 L)	
Stationary Single Tank Door	~~0.95 (3.6 L)~~ ≤ 0.89 (3.4 l)	≤ 1.18 (4.5 L)	
Under ~~c~~Counter	~~0.90 (3.4 L)~~ ≤ 0.86 (3.3 L)	≤ 1.19 (4.5 L)	
Pot, Pan, and Utensil	≤ 0.58 GPSF	≤ 0.58 GPSF	
Single Tank Flight Type	GPH ≤ 2.975x + 55.00	GPH ≤ 2.975x + 55.00	
Multiple Tank Flight Type	GPH ≤ 4.96x+ 17.00	GPH ≤ 4.96x + 17.00	

Note: GPSF = gallons per square foot of rack; GPH = gallons per hour;
X = square feet of conveyor belt/minute (max conveyor speed sf/min as tested and certified to NSF/ANSI Standard 3)

ITEM 24. CBSC Proposes to amend voluntary regulations in Division A5.3, Section A5.303 related to Indoor Water Use

SECTION A5.303
INDOOR WATER USE

A5.303.4 Water conserving plumbing fixtures and fittings
[New code section title added]

A5.303.4.1 Nonwater supplied urinals.
Nonwater supplied urinals are installed in accordance with the *California Plumbing Code.*

Where approved, Hybrid urinals, as defined in Chapter 2, shall be considered waterless urinals.

[Make changes accordingly to Table A5.303.2.2 Water Use Baseline and table A5.303.2.3.1 Fixture Flow Rates for code section A5.303.4.1 listed above to add fixtures to the tables]

…

ITEM 25. CBSC Proposes to amend voluntary regulations in Appendix A5, Division A5.4, Section A5.405 Material Sources

DIVISION A5.4
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

. . .

SECTION A5.405
MATERIAL SOURCES

. . .

A5.405.4 Recycled content. Use materials, equivalent in performance to virgin materials with a total (combined) recycled content value (RCV) of:

Tier 1 ~~[BSC]~~. ~~Recycled content.~~ The RCV shall not be less than 10 percent of the total material cost of the project, or use 2 products which meet the minimum recycled content levels in Table A5.405.4 for at least 75%, by cost, of all products in that category in the project. *[See Table A5.405.4: Minimum Recycled Content Levels]*

Required Total RCV (dollars) = Total Material Cost (dollars) × 10 percent **(Equation A5.4-1**)

Tier 2 ~~[BSC]~~. The RCV shall not be less than 15 percent of the total material cost of the project, or use 3 products which meet the minimum recycled content levels in Table A5.405.4 for at least 75%, by cost, of all products in that category in the project. *[See Table A5.405.4: Minimum Recycled Content Levels]*

. . .

A5.405.4.1 Total material cost . . .

A5.405.4.2 Determination of total recycled content value (RCV) . . .

A5.405.4.3 Determination of recycled content value of materials (RCV_M). The recycled content value of each material (RCV_M) is calculated by multiplying the cost of material, as defined by the recycled content. See Equations A5.4-6 and A5.4-7.

RCV_M (dollars) = Material cost (dollars) × RC_M (percent) **(Equation A5.4-6)**

RC_M (percent) = Postconsumer content percentage + (1/2) Preconsumer content percentage **(Equation A5.4-7)**

Notes:

1. If the postconsumer and preconsumer recycled content is provided in pounds, Equation A5.4-7 may be used, but the final result (in pounds) must be multiplied by 100 to show RC_M as a percentage.
2. If the manufacturer does not separately identify the preconsumer and postconsumer recycled content of a material but reports it as a total single percentage, ~~one half of~~ the total amount shall be considered preconsumer ~~and one half shall be considered postconsumer~~ recycled material.

A5.405.4.4 Determination of recycled content value of assemblies – (RCV_A). Recycled content value of assemblies is calculated by multiplying the total cost of assembly by the total recycled content of the assembly (RC_A), and shall be determined by Equation A5.4-8.

RCV_A (dollars) = Assembly cost (dollars) × Total RC_A (percent) **(Equation A5.4~~.~~-8)**

If not provided by the manufacturer, Total $_{RCA}$ (percent) is the sum (Σ) of the Proportional Recycled Content (PRCM) of each material in the assembly. RC_A shall be determined by Equation A5.4-9.

$RC_A = \Sigma PRC_M$ **(Equation A5.4-9)**

PRC_M of each material may be calculated by one of two methods using the following formulas:

Method 1: Recycled content (Postconsumer and Preconsumer) of each material provided in percentages

PRC_M (percent) = Weight of material (percent) × RC_M (percent) **(Equation A5.4-10)**

Weight of material (percent) = [Weight of material (lbs) ÷ Weight of assembly (lbs)] × 100 **(Equation A5.4-11)**

RC_M (percent) = Postconsumer content percentage + (1/2) Preconsumer content percentage **(See Equation A5.4-7)**

Method 2: Recycled content (Postconsumer and Preconsumer) provided in pounds

PRC_M (percent) = [RC_M (lbs) Weight of material (lbs)] × 100 **(Equation A5.4-12)**

RC_M (lbs) = Postconsumer content (lbs) + (1/2) Preconsumer content (lbs) **(Equation A5.4-13)**

Note: If the manufacturer does not separately identify the preconsumer and postconsumer recycled content of a material but reports it as a total single percentage, ~~one half of~~ the total amount shall be considered preconsumer ~~and one half shall be considered postconsumer~~ recycled material.

A5.405.4.5 Alternate method for concrete . . .

Table A5.405.4
MINIMUM RECYCLED CONTENT LEVELS

MATERIAL/PRODUCT TYPE	MINIMUM TOTAL RECYCLED CONTENT	MINIMUM POST-CONSUMER RECYCLED CONTENT
Insulation, fiberglass	30%	30%
Insulation, cellulose	75%	75%
Exterior Paint, latex	50%	50%
Carpet, nylon	10%	10%
Compost	80%	80%
Mulch	80%	80%
Acoustical ceiling panels	60%	-

Drywall, gypsum	4%	4%
Aggregate base	80%	80%

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 26. CBSC Proposes to amend voluntary regulations in Appendix A5, Division A5.4, Section A5.408 Construction Waste Reduction, Disposal, and Recycling

SECTION A5.408
CONSTRUCTION WASTE REDUCTION, DISPOSAL, AND RECYCLING

A5.408.3.1 Enhanced construction waste reduction – Tier 1. Divert to recycle or salvage at least 65% of nonhazardous construction and demolition waste generated at the site. Any mixed recyclables that are sent to mixed-waste recycling facilities shall include a qualified third party verified facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency.

A5.408.3.1.1 Enhanced construction waste reduction – Tier 2 ~~[BSC]~~. Divert to recycle or salvage at least 80% of nonhazardous construction and demolition waste generated at the site.

A5.408.3.1.2 Verification of compliance. A copy of the completed waste management report or documentation of certification of the waste management company utilized shall be provided.

Exceptions:
. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 27. CBSC Proposes to amend voluntary regulations in Appendix A5, Division A5.5, Section A5.504 Pollutant Control

DIVISION A5.5
ENVIRONMENTAL QUALITY

. . .

SECTION A5.504
POLLUTANT CONTROL

A5.504.1 Indoor air quality (IAQ) during construction . . .

A5.504.1.1 Temporary ventilation . . .

1. **. . .**
2. If the building is occupied during demolition or construction, meet or exceed the recommended Control Measures of the Sheet Metal and Air Conditioning ~~National~~ Contractors' National Association (SMACNA) IAQ Guidelines for Occupied Buildings under Construction, 1995, Chapter 3.

~~3. The permanent HVAC system shall only be used during construction if necessary to condition the building within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1- 1992. Replace all filters immediately prior to occupancy.~~

~~4. During dust-producing operations, protect supply and return HVAC system openings from dust.~~

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

<u>ITEM 28.</u> CBSC Proposes to amend regulations in Appendix A5, Division A5.6, Section A5.601 CALGreen TIER 1 AND TIER 2

DIVISION A5.6
VOLUNTARY TIERS
SECTION A5.601
CALGreen TIER 1 AND TIER 2

. . .

A5.601.2 *CALGreen* Tier 1

. . .

A5.601.2.4 Voluntary measures for ~~*CALGreen*~~ Tier 1. In addition to the provisions of Sections A5.601.2.1 and A5.601.2.3 above, compliance with the following voluntary measures from Appendix A5 is required for Tier 1:

. . .

3. From Division A5.4,[2]
   a. Comply with recycled content of 10 percent of materials based on estimated total cost<u>, or use 2 products from Table A5.405.4 for at least 75% by cost</u> in Section A5.405.4.
   b. Comply with the 65 -percent reduction in construction and demolition waste in Section A5.408.3.1.
   c. Comply with one elective measure selected from this division.

. . .

A5.601.3 *CALGreen* Tier 2.

. . .

A5.601.3.4 Voluntary measures for Tier 2. In addition to the provisions of Sections A5.601.3.1 and A5.601.3.3 above, compliance with the following voluntary measures from Appendix A5 and additional elective measures shown in Table A5.601.3.4 is required for Tier 2:

. . .

3. From Division A5.4,[2]

   a. Comply with recycled content of 15 percent of materials based on estimated total cost<u>, or use 2 products from Table A5.405.4 for at least 75% by cost</u> in Section A5.405.4.1.

   b. Comply with the 80-percent reduction in construction and demolition waste in Section A5.408.3.1.

   c. Comply with three elective measures selected from this division.

. . .

Notation:
Authority: Health and Safety Code Sections 18930.5, 18934.5, 18938.
Reference: Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

ITEM 29. CBSC Proposes to amend Table A5.602

SECTION A5.602

NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLISTS 4

[Update the application checklist based on the proposed code changes for publication)

Notation:
Authority – Health and Safety Code Sections 18930.5, 18934.5 and 18938 (b).
Reference – Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.