

**COMMISSION ACTION MATRIX
 2019 CALIFORNIA GREEN BUILDING CODE, TITLE 24, PART 11
 AGENCY: THE CALIFORNIA BUILDING STANDARDS COMMISSION [BSC 04/19]**

LEGEND:

CAC Actions: Approve as Amended, Approve as Submitted, Disapprove, Further Study

Agency Responses: Accept, Disagree, Withdraw

CBSC Actions: Approve as Amended, Approve as Submitted, Disapprove, Further Study

Matrix Paper Color (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required

GREEN-PEME AD HOC CODE ADVISORY COMMITTEE

DESIGNATED PARKING

SECTION 5.106.5.2 – DESIGNATED PARKING FOR CLEAN AIR VEHICLES.

Amend sections listed below

Item Number 1	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-1-1	TABLE 5.106.5.2 Designated parking for clean air vehicles				Amend section to increase the percentage of designated parking stalls for clean air vehicles (CAV) mandatory measures. Associated with voluntary measures Item Items 9-2 through 9-6 below.	

ELECTRIC VEHICLE INFRASTRUCTURE

SECTION 5.106.5.3 – Electric vehicle (EV) charging.

Amend sections listed below

Item Number 2	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-2-1	TABLE 5.106.5.3.3 EV charging space calculation				Amend table to increase the percentage of spaces required for electrical vehicle (EV) charging infrastructure. Associated with voluntary measures Item 10 below.	

Item Number 2	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-2-2	5.106.5.3.5 [N] Future charging spaces				Amend section to add "Note" clarifying that future EV charging spaces shall count toward the total required parking spaces.	

LIGHT POLLUTION REDUCTION

SECTION 5.106.8 Light pollution reduction.

Amend sections listed below

Item Number 3	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-3-1	5.106.8 Light pollution reduction., Exceptions: [N], #1, #5				Amend section to strike the [N] banner from Exceptions. Amending Exception 1 and adding new Exception 5 are to align with CALGreen BUG requirements adopted into the California Energy Code, Section 130.2(b).	
BSC 04/19-3-2	5.106.8.1 Facing – Backlight. & Exception: Corners				New code section proposing to relocate and amend table footnotes from Table 5.108.6 [N]. Section was added to properly align requirements for stringency of facing-backlight in relation to property lines. Add Exception for corners.	
BSC 04/19-3-3	5.106.8.2 Facing – Glare., Notes: #1 [N]				New code section proposing to relocate and amend table footnotes from Table 5.108.6 [N]. Section was added to properly align requirements for stringency of facing-glare in relation to property lines. Repeal the [N] banner in Notes.	
BSC 04/19-3-4	TABLE 5.106.8 [N] Maximum Allowable Backlight . . .				Repeal footnotes from this table and relocate them into two new code Section 5.106.8.1 with an exception for "corners," and new Section 5.106.8.2. Table superscript numbers are re-adjusted to align with the with revised footnote numbers.	

PRE-RINSE SPRAY VALVES
SECTION 5.303 – INDOOR WATER USE

Amend sections listed below

Item Number 4	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-4-1	<u>5.303.3.4.6</u> <u>Pre-rinse</u> <u>spray valve.,</u>				New code section to align with Appliance Efficiency regulations adopted for pre-rinse spray valves by the CEC in Title 20 for automatic shutoff requirements of the California Code of Regulations.	
BSC 04/19-4-2	<u>FOR</u> <u>REFERENCE</u> <u>ONLY : . .</u> <u>Table H-2 . . .</u> <u>& Title 20</u> <u>Section</u> <u>1605.3(h)(4)</u> <u>(A)</u>				Re-print Title 20 Table H2, and Title 20 Section 1605.3(h)(4)(A) for pre-rinse spay valves, for reference and labeling requirements on spray valves.	

POLLUTANT CONTROL
SECTION 5.504 – POLLUTANT CONTROL

Amend sections listed below

Item Number 5	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-5-1	<u>5.504.4.4</u> <u>Carpet</u> <u>systems</u>				Amended section to repeal items 1 through 5 and add new CDPH referenced standard for VOC limits for carpet systems with new website link.	
BSC 04/19-5-2	<u>5.504.4.4.1</u> <u>Carpet</u> <u>cushion</u>				Amended section to repeal “Carpet and Rug Institute’s Green Label program” and new CDPH referenced standard added for VOC limits for carpet cushion with new website link.	

Item Number 5	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-5-3	5.504.4.4.6 Resilient flooring systems				Amended section to repeal items 1 through 4 and add new CDPH referenced standard for VOC limits for resilient flooring systems with new website link.	

CHAPTER 6 – REFERENCED ORGANIZATIONS AND STANDARDS

Amend sections listed below

Item Number 6	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-6-1	NSF/ANSI 140-2007: 5.504.4.4				Repeal referenced standard to avoid conflict with proposed amendment to Sections in Item 3. Associated with Item 15 below.	
BSC 04/19-6-2	ASTM E1333 - 14:				Amend referenced standard to align with HCD's update that was promulgated previously in the 2015 Triennial Code Adoption Cycle.	
BSC 04/19-6-3	ASTM E1903 - 97 11:				Update referenced standard, and correct the associated referenced section which should be A5.103.2.1.	
BSC 04/19-6-4	ASTM E1918 -06 (2015) - 16 (2016):				Update referenced standard to align with the <i>California Energy Code</i> for reduction of heat island effect and solar reflectance requirements for hardscape materials.	
BSC 04/19-6-5	ASTM E1980 - 04 - 11:				Amend and update standard to align with the <i>California Energy Code</i> for solar reflectance index for roofing materials.	

**BASELINE WATER USE AND WATER USE REDUCTION
CHAPTER 8 – COMPLIANCE FORMS, WORKSHEETS AND REFERENCE MATERIAL**

Amend sections listed below

Item Number 7	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-7-1	WORK-SHEET (WS-1) BASELINE WATER USE TABLE				Amend table for the shower heads flow rate from 2.0 to 1.8 gpm. Additionally, footnote 1 is being amended.	
BSC 04/19-7-2	WORK-SHEET (WS-2) WATER USE REDUCTION TABLE				Amend table footnote 1 from Table A to Table 4-1, to align with a proposed code change in the 2019 California Plumbing Code Chapter 4.	

**BROWNFIELD REDEVELOPMENT (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.103 – SITE SELECTION**

Amend sections listed below

Item Number 8	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-8-1	A5.103.2.1 Brownfield redevelopment.				Amend code section to update the referenced standard from ASTM E1903-97 to ASTM E1903-11 which is proposed for change in Item 6 above.	

CHANGING ROOMS AND DESIGNATED PARKING (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.106 – SITE DEVELOPMENT

Amend sections listed below

Item Number 9	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-9-1	A5.106.4.3 Changing rooms.				Amend code section “Note” to add a website link for additional information from the Sacramento Area Bicycle Advocates.	
BSC 04/19-9-2	A5.106.5.1 Designated parking for clean air vehicles				Amend code section to increase the percentage of designated parking stalls for clean air vehicles (CAV) for new projects or additions or alterations that add 10 or more vehicular parking spaces. Associated with mandatory requirements proposed in items 1 above.	
BSC 04/19-9-3	A5.106.5.1.1 Tier 1				Amend code section to increase the percentage in Tier 1 voluntary measures to seventeen percent designated parking spaces, 201 and over parking spaces.,	
BSC 04/19-9-4	TABLE A5.106.5.1.1; <u>footnote 1</u> <u>and Note</u>				Amend table for Tier 1 voluntary measures adjust for incremental values used for calculation for CAV spaces and add footnote 1 to round values up to the nearest whole number. New Note added: Designated parking for CAV shall count toward the total parking spaces required by the local enforcing agencies.	
BSC 04/19-9-5	A5.106.5.1.2 Tier 2				Amend section to increase the percentage in Tier 2 voluntary measures to twenty two percent designated parking spaces, 201 and over parking spaces.,	

Item Number 9	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-9-6	TABLE A5.106.5.1.2; <u>footnote 1 and Note</u>				Amend table for Tier 2 voluntary measures adjust for incremental values used for calculation for CAV spaces and add footnote 1 to round values up to the nearest whole number. New Note added: Designated parking for CAV shall count toward the total parking spaces required by the local enforcing agencies.	

ELECTRIC VEHICLE INFRASTRUCTURE (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.106.5.3 – [N] Electric vehicle (EV) charging.

Amend sections listed below

Item Number 10	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-10-1	TABLE A5.106.5.3.1, Tier 1, EV charging				Amend table to increase the Tier 1 voluntary measure percentage of spaces required for electrical vehicle (EV) charging infrastructure. Associated with mandatory measures Item 2 above.	
BSC 04/19-10-2	TABLE A5.106.5.3.2, Tier 2, EV charging				Amend table to increase the Tier 2 voluntary measure percentage of spaces required for electrical vehicle (EV) charging infrastructure. Associated with mandatory measures Item 2 above.	
BSC 04/19-10-3	A5.106.5.3.3 [N] Identification				Amend to add a banner [N] to align with the mandatory code Section 5.106.3.4.	
BSC 04/19-10-4	A5.106.5.3.4 [N] Future charging spaces. & <u>Note . . .</u>				Amend to add a banner and title, and repeal to align with existing mandatory language in Section 5.106.5.3.5. Adding note -- Electric vehicle charging spaces shall count toward the total parking spaces required by the local enforcing agencies.	

SOLAR REFLECTANCE INDEX (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.106 – SITE DEVELOPMENT

Amend sections listed below

Item Number 11	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-11-1	A5.106.11.2.3 Solar reflectance index alternative				Amend section to update the referenced standard from ASTM E1980-01 to ASTM E1980-11 for solar reflectance index for roofing materials. Associated with item 6-5 above. Amend CEC code reference.	

BIRD-FRIENDLY BUILDING DESIGN (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.107 – BIRD FRIENDLY BUILDING DESIGN

Amend sections listed below

Item Number 12	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-12-1	<u>SECTION A5.107 BIRD FRIENDLY BUILDING DESIGN</u>				New code section Title.	
BSC 04/19-12-2	<u>A5.107 Bird-friendly building design</u>				New code section to address bird friendly building design.	
BSC 04/19-12-3	<u>A5.107.1 Glazing.</u>				New code section to address reflective glazing for buildings.	

Item Number 12	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-12-4	<u>A5.107.2</u> <u>Special</u> <u>conditions</u>				New code section to address special conditions that promote specific treatment of certain building architectural features.	
BSC 04/19-12-5	<u>A5.107.3</u> <u>Nighttime</u> <u>conditions</u>				New code section to address night time lighting and scheduling of services during certain times of year.	
BSC 04/19-12-6	<u>A5.107.3.1</u> <u>Systems or</u> <u>operation</u> <u>and</u> <u>maintenance</u> <u>manual</u>				New code section to address written recommendations for lighting and service schedules for operations manuals.	

INDOOR WATER USE (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.303 – INDOOR WATER USE

Amend sections listed below

Item Number 13	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-13-1	TABLE A5.303.2.2 Water Use Baseline (PER- FORMANCE METHOD)				Amend the shower head flow rate from 2.0 to 1.8 gpm to align with the codified code language in the mandatory chapter 5, Indoor Water Use, Section 5.303.3.3. Amend footnote 2 to from Table A to Table 4-1. Water Use Baseline table title amended to add the term "PERFORMANCE METHOD."	

Item Number 13	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-13-2	TABLE A5.303.2.3.1 FIXTURE FLOW RATES (PRE- SCRIPTIVE METHOD)				Amend the shower head flow rate 2.0 to 1.8 gpm to align with the codified code language found in the mandatory chapter 5, Indoor Water Use, Section 5.303.3.3. Fixture Flow Rates table title amended to add the term "PRESCRIPTIVE METHOD."	
BSC 04/19-13-3	A5.303.3 Appliances and fixtures for commercial application				Repeal the provision for residential dishwashers for nonresidential occupancies. Relocate code item 7 and renumber itm 8 and 8.1 into items 7 and 7.1	

**MATERIAL SOURCES (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.405 – MATERIAL SOURCES**

Amend sections listed below

Item Number 14	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-14-1	A5.405.2.1 Certified wood.				Amend section to repeal superfluous information.	
BSC 04/19-14-1	A5.405.3 Reused materials				Amend section to add a website link for additional resources from CalRecycle's website for reused materials list.	

POLLUTANT CONTROL (VOLUNTARY)
APPENDIX A5 – NONRESIDENTIAL VOLUNTARY MEASURES
SECTION A5.504 – POLLUTANT CONTROL

Amend sections listed below

Item Number 15	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-15-1	A5.504.4.7 Resilient flooring systems, Tier 1				Amend section to update the standard for California Department of Public Health (CDPH) for Volatile Organic Compounds (VOC) limits. Add link to CDPH website for a list of approved certification programs and testing labs.	
BSC 04/19-15-2	A5.504.4.7.1 Resilient flooring systems, Tier 2				Amend section to update the standard for (CDPH) for (VOC) limits for Tier 2, Resilient flooring systems. Add link to CDPH website for a list of approved certification programs and testing labs.	
BSC 04/19-15-3	A5.504.4.8 Thermal insulation, Tier 1				Amend section to update the standard for (CDPH) for (VOC) limits for Tier, thermal insulation. Add link to CDPH website for a list of approved certification programs and testing labs.	
BSC 04/19-15-4	A5.504.4.9 Acoustical ceilings and wall panels				Amend section to update the standard for (CDPH) for (VOC) limits for acoustical ceilings and wall panels. Add link to CDPH website for a list of approved certification programs and testing labs.	
BSC 04/19-15-5	A5.504.4.9.1 Verification of compliance				Repeal "Note" since referenced standard is now the CDPH standard which makes this note obsolete.	

DIVISION A5.6 – VOLUNTARY TIERS
SECTION A5.601 – CALGreen Tier 1 and Tier 2

Amend sections listed below

Item Number 16	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-16-1	TABLE A5.601 NONRESI- DENTIAL BUILDINGS:				Update table to incorporate the proposed mandatory and voluntary code updates as shown in items 1 through 15 as applicable to the affected code section shown in the table.	

**CALGreen VERIFICATION GUIDELINES
CHECKLISTS (Mandatory, Tier 1 and Tier 2)**

Amend sections listed below

Item Number 17	Code Section	CAC Action	Agency Response	Public Comments	Annotations	CBSC Action
BSC 04/19-17-1	TABLE A5.602 MANDA- TORY CHECKLIST				Update table to incorporate the proposed mandatory code updates as shown in Items 1 through 15 above as applicable to the affected code section shown in each table.	
BSC 04/19-17-2	TABLE A5.602.1 TIER 1 CHECKLIST				Update table to incorporate the proposed mandatory and voluntary code updates as shown in Items 1 through 15 above as applicable to the affected code section shown in each table.	
BSC 04/19-17-3	TABLE A5.602.2 TIER 2 CHECKLIST				Update table to incorporate the proposed mandatory and voluntary code updates as shown in Items 1 through 15 above as applicable to the affected code section shown in each table.	