

Sacramento County Department of Community Development

April 30, 2014 Presentation

California Building Standards Commission

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Presentation Goals

- Overview of the California Building Standards Commission
- 2013 Intervening Code Cycle
- 2015 Triennial Code Cycle
- CALGreen Updates – 2013 California Green Building Standards Code
- Collaboration / Participation
- Q & A



California Building Standards Commission

- The Building Standards Commission was created in 1953 to help ensure an open public adoption process allowing experts to develop standards and periodic updates to the building codes.
- Two roles.....proposing building standards and adopting / approving building standards.
- Comprised of 11 commissioners, one of which is the Secretary of the Government Operations Agency, who is appointed chair by statute.
- The commissioners represent the public, design professionals, building and construction industry, local government building officials, fire and safety officials and labor.



Title 24 – California Building Standards Code

- One of 28 Titles of the California Code of Regulations
- Distinction between laws and regulations
- Title 24 “regulations” are also “building standards” and is defined in HSC Section 18909
- State law requires the incorporation of model code, national specifications or published standards
- Published by the California Building Standards Commission
- Divided into 13 Parts



California Building Standards Code

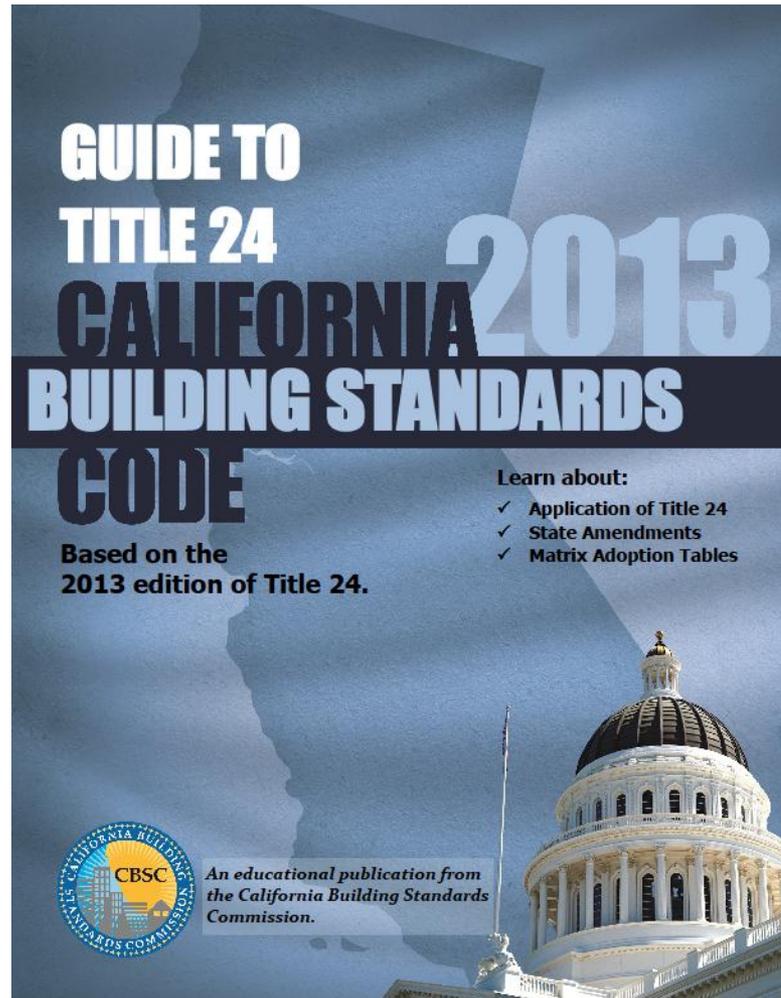
Title 24

➤ **13 Parts**

- Part 1 – California Administrative Code
- Part 2 – California Building Code (Vols. 1 & 2)
- Part 2.5 – California Residential Code
- Part 3 – California Electrical Code
- Part 4 – California Mechanical Code
- Part 5 – California Plumbing Code
- Part 6 – California Energy Code
- Part 7 – Vacant (Previously Elevator Safety Construction Code)
- Part 8 – California Historical Building Code
- Part 9 – California Fire Code
- Part 10 – California Existing Building Code
- Part 11 – California Green Building Standards Code (CALGreen)
- Part 12 – California Reference Standards Code



Guide to Title 24



Code Advisory Committees

- Authorized in Building Standards Law HSC Section 18927
- Implemented in Regulation: Sections 1-209 and 1-211, Part 1, Title 24
- Purpose is to provide recommendation on building standards to state agencies, BSC staff and the Commissioners
- Six (6) Standing Code Advisory Committees
 - ❖ Accessibility
 - ❖ Building, Fire and Other
 - ❖ Green Building
 - ❖ Health Facilities
 - ❖ Plumbing, Electrical, Mechanical and Energy
 - ❖ Structural Design and Lateral Force



State Agency Amendments

- State Agency Amendments
 - What are these?
 - Why are they necessary?
 - How do I know what is applicable?
 - FAQ's – BSC Website www.bsc.ca.gov

Select '*Education*' in the horizontal menu, then select '*Frequently Asked Questions*' in the drop-down menu



Reading the Matrix Adoption Tables

Below is a portion of the Matrix Adoption Table for Chapter 3 of the 2013 California Building Code.

1. The state adopting agencies are identified by their acronyms shown in the top row.

2. These three rows tell how the chapter is adopted by each of the state agencies. Either the chapter is adopted in whole without amendment, or the chapter is adopted in whole with amendments that are identified below in the Table, or only selected sections of the chapter are adopted.

3. Code section and subsection numbers are listed in the left column.

CALIFORNIA BUILDING CODE – MATRIX ADOPTION TABLE
CHAPTER 3 – USE AND OCCUPANCY CLASSIFICATION
 (Matrix Adoption Tables are non-regulatory, intended only as an aid to the user. See Chapter 1 for state agency authority and building applications.)

Adopting agency	BSC	SFB	HCD			DRA			DR-PS				RWD	DPA	SJR	TWR	C
			1	2	1000	60	RR	RR-00	1	2	3	4					
Adopt entire chapter	X						X	X	X	X	X						
Adopt entire chapter as amendeded (amended sections listed below)		X	X	X													
Adopt only those sections that are listed below																	
Chapter / Section																	
303.1		X															
303.1.1																	
303.1.1		X															
303.1.1		X															
303.1.2		X															
303.1.2		X															
303.1.3		X															
303.1.4		X															
303.1.5		X															
303.1.6		X	X	X													
303.1.7		X															
303.1.8		X															
304.1		X															
304.2 Clinic, Outpatient		X															
305.1 w/ Exception		X															
305.2 w/ Exception		X															

4. An "X" in a column identifies an adoption by the state adopting agency identified at the top of the column. For example, the SFM adopts the entire chapter but amends the sections and subsections of Chapter 3 marked by the "X" opposite the section or subsection number. SFM adoptions apply as identified in Section 1.11 in Chapter 1 of the 2013 CBC.



Supplement

REVISION RECORD FOR THE STATE OF CALIFORNIA SUPPLEMENT

January 1, 2009
2007 Title 24, Part 2, California Building Code

PLEASE NOTE: The date of this supplement is for identification purposes only.
See the History Note Appendix for the adoption and effective dates of the provisions.

It is suggested that the section number as well as the page number be checked when inserting this material and removing the superseded material. In case of doubt, rely on the section numbers rather than the page numbers because the section numbers must run consecutively.

It is further suggested that the material be retained with this revision record sheet so that the prior wording of any section can be easily ascertained.

Please keep the removed pages with this revision page for future reference.

Note

Due to the fact that the application date for a building permit establishes the California Building Standards code provisions that are effective at the local level, which apply to the plans, specifications, and construction for that permit, it is **strongly recommended** that the removed pages be retained for historical reference.

Volume I

Remove Existing Pages	Insert New Pages
v and vi	v and vi
3 through 8	3 through 8
13 through 16	13 through 16
21 through 28	21 through 28
31 and 32	31 and 32
35 through 44	35 through 44
47 through 50	47 through 50
53 through 56	53 through 56
63 and 64	63 and 64
67 and 68	67 and 68
75 and 76	75 and 76
91 and 92	91 and 92
109 through 114	109 through 114

(continued)

Instructions for the removal of superseded pages and the insertion of new pages is provided here.



Errata

REVISION RECORD FOR THE STATE OF CALIFORNIA

ERRATA

January 1, 2008

2007 Title 24, Part 2, California Building Code

PLEASE NOTE: The date of this errata is for identification purposes only.
See the History Note Appendix for the adoption and effective dates of the provisions.

It is suggested that the section number as well as the page number be checked when inserting this material and removing the superseded material. In case of doubt, rely on the section numbers rather than the page numbers because the section numbers must run consecutively.

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Volume 2

Remove Existing Pages

81 and 82
121 through 124
409 and 410
425 through 428
587 and 588
599 and 600
609 and 610
701 and 702

Insert Buff Pages

81 and 82
121 through 124
409 through 410.2
425 through 428
587 and 588
599 and 600
609 and 610
701 and 702

Instructions for the removal of superseded pages and the insertion of new pages in provided here.

Item No. 5519S005



History Note Appendix

HISTORY NOTE APPENDIX

California Building Code
(Title 24, Part 2, California Code of Regulations)

For prior history, see the History Note Appendix to the *California Building Code (CBC)*, 2010 Triennial Edition, effective January 1, 2011.

1. For prior code history, see the History Note Appendix to the *California Building Code 2007 Triennial Edition*, effective January 1, 2008.
2. BSC 02/09, SFM 03/09, OSHPD 05/09 & 07/09, DSA-SS 02/09, HCD 01/09, DWR 01/09, CSLC 01/08 — Adoption of the 2009 edition of the International Building Code published by the International Code Council, for incorporation into the *2010 California Building Code*, CCR Title 24, Part 2 with amendments for State regulated occupancies effective on January 1, 2011.
3. Errata to correct editorial errors in preface and Chapters 1-4, 6-12, 14-19, 21-24, 26, 30, 31, 34 and 35.
4. SFM EF 01/10 & EF 01/11 — Emergency regulations for antifreeze in residential fire sprinkler systems and for exceptions for interconnected residential smoke detectors, respectively. Effective on April 28, 2011 and approved as permanent on July 20, 2011.
5. HCD EF 01/11 — Emergency regulations for exceptions for interconnected residential carbon monoxide detectors, effective on July 21, 2011 and approved as permanent on July 20, 2011.
6. BSC 01/10; DPH 01/10; DSA-AC 01/10; HCD 02/10 & 03/10; OSHPD 02/10 & 03/10 — Amend and amend provisions of the *2010 California Building Code*, CCR Title 24, Part 2 for State regulated occupancies effective on July 1, 2012.
7. CSA 01/10 — Update minimum standards for the design and construction of local detention facilities of the *2010 California Building Code*, CCR Title 24, Part 2, effective on July 1, 2012.
8. DPH 01/10 — Update minimum standards for the design and construction of public swimming pools of the *2010 California Building Code*, CCR Title 24, Part 2, effective on September 1, 2012.
9. DSA-AC EF 01-12 — Emergency regulations to align conflicting accessibility provisions from Chapter 11B, Part 2 Title 24 with the 2010 Americans with Disabilities Act (ADA). Approved as an emergency on July 19, 2012, filed with Secretary of State on July 20, 2012 and effective August 1, 2012.

Sample



Local Ordinances

- Authorized by State Law
 - ❖ HSC 18941.5 (BSC)
 - ❖ HSC 17958, 17958.5 & 17958.7 (HCD)
 - ❖ HSC 13869.7 (SFM)
 - ❖ PRC 25402.1 (h)(2) (CEC)
- Generally added through the development of new codes (Triennial Code Cycle)
- Further amends Title 24 and are building standards
- Topographical, Geological, Climatic and includes environmental conditions
- Reasonably necessary
- More restrictive in some cases
- Filing required with appropriate state agency
- Other than CEC, no review by state agency to validate findings by local authority



State Agencies

Building Standards Commission (BSC)

- State Buildings – All Occupancies
- California State Universities & University of California
- Parking lot lighting – Universities, State Universities & Community Colleges
- Building Seismic Retrofits – University of California & State Universities
- Green Building Standards – Non-Residential



State Agencies

Department of Housing and Community Development (HCD 1, 2 & I/AC)

- Hotels & Motels
- Single-family and Duplexes
- Apartments & Condominiums
- Employee Housing
- Factory-built Housing
- Other types of dwellings (e.g. Dormitories, etc.)
- Mobilehome & Special Occupancy Parks
- Accessibility Covered Multi-Family Dwelling Units



State Agencies

Division of the State Architect (DSA)

- Access Compliance (DSA-AC)
 - ❖ Publicly funded buildings, structures, sidewalks, curbs, etc.
 - ❖ Privately funded public accommodations, public lodging, restaurants, entertainment, exhibits, etc.
- Structural Safety (DSA-SS)
 - ❖ Public elementary & secondary schools (K – 12)
 - ❖ Community Colleges
 - ❖ State-owned or leased essential services buildings
- Structural Safety – Community Colleges (DSA-SS/CC)
 - ❖ Community Colleges (May be used in lieu of DSA-SS)



State Agencies

Office of Statewide Health Planning and Development (OSHPD)

- General Acute-care Hospitals & Psychiatric Hospitals – OSHPD 1
- Skilled Nursing Facilities & Intermediate-care facilities – OSHPD 2
- Licensed Clinics – OSHPD 3
- Correctional Treatment Centers – OSHPD 4

(Includes many more categories)



State Agencies

Office of the State Fire Marshal (SFM)

- Assembly or Similar Place of Assemblage
- Small and Large Family Day-Care Homes
- Residential Facilities for the Elderly
- Any State Institution or Other State-Owned or Occupied Building
- High-Rise Structures
- Residential
- Residential Care Facilities
- Tents, Awnings or other Fabric Enclosures
- Wildland-Urban Interface Fire Areas



2013 Intervening Code Cycle

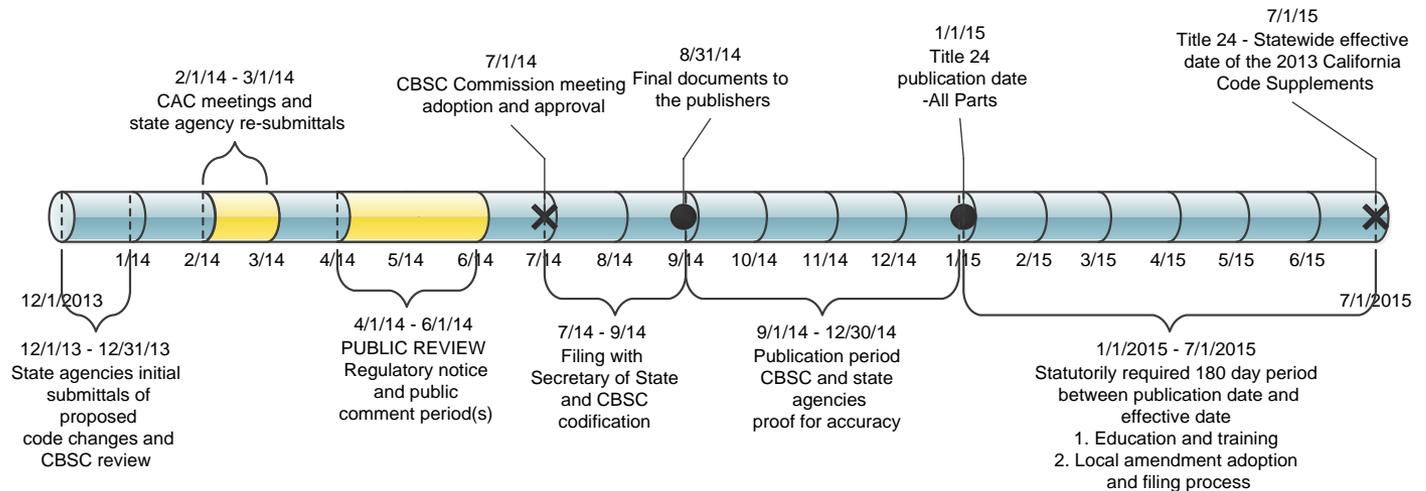
- Began July 2013
- Agency rulemakings were due to BSC by December 31, 2013
- Availability of Rulemakings
- Code Advisory Committee (CAC)
Meetings held in February & March 2014
- Public Comment Period April – June 2014
- Commission Meeting - July 22, 2014
- Publication by January 1, 2015
- Effective July 1, 2015



2013 Intervening Code Cycle

July 1, 2015 Effective Date

2013 Intervening Code Cycle



CAC Committees:

- SDLF – Structural Design/ Lateral Forces
- PEME – Plumbing, Electrical, Mechanical & Energy
- HF – Health Facilities
- GREEN – Green Building
- BFO – Building, Fire & Other
- ACCESS – Accessibility

* All dates are subject to change

2015 Triennial Code Cycle

- State agencies should begin developing rulemakings in approximately June / July 2014
- State agencies convene focus groups in approximately August / September 2014
- Formally begins approximately April 2015 with Agency submittals complete to BSC
- Code Advisory Committees meet July 2015 and Public Comment Period – September 2015
- Commission meets approximately December 2015 / January 2016 to consider state agency rulemakings
- Published by July 1, 2016
- Effective January 1, 2017



2015 Triennial Code Cycle

Collaboration / Participation

- Contact appropriate agency directly to participate
- Code Advisory Committee Meetings
- 45 – Day Comment Period
- Commission Meeting (Tooouoo Late)



2013 Intervening Code Cycle

BSC Nonresidential Measures

Chapter 5 - Nonresidential

- Mandatory Measures
- Planning and Design – Division 5.1
- Energy Efficiency – Division 5.2
- Water Efficiency and Conservation – Division 5.3
- Material Conservation and Resource Efficiency – Division 5.4
- Environmental Quality – Division 5.5

Chapter 3

Green Building

2013 CALGreen

- Chapter 3 – Section 301.3 Nonresidential additions and alterations

2013 Intervening Cycle Update

- Added new section with a note that references Civil Code Section 1101.3 for non-compliant plumbing fixtures

Chapter 5 - Division 5.1

Site Development

2013 CALGreen

- Storm water, Bicycle parking, Designated parking
- EV Charging

2013 Intervening Cycle Update

- No Change
- **New Sections**
 - Single electric vehicle (EV) charging space requirements
 - Multiple electric vehicle (EV) charging space requirements
 - EV charging calculation – Table 5.106.5.3.3
 - Identification w/ future charging designated spaces

Chapter 5 - Division 5.2

Energy Efficiency

Energy Efficiency mandatory measures regulated by the California Energy Commission (CEC)

Mandatory provisions are found in Part 6 of Title 24

California Energy Efficiency Hotline

Telephone: (916) 654-5106

1-800-772-3300 (toll free in CA)

Email: title24@energy.state.ca.us

Website: www.energy.ca.gov

Chapter 5 - Division 5.3

Indoor Water Use

2013 CALGreen

- Meters
- Water reduction

- Water conserving plumbing fixtures and fittings

- None

2013 Intervening Cycle Update

- No change
- Remove section and exception and reserve number for future use

- Remove Water Use Baseline Table 5.303.2.2 and Table 5.303.2.3

- Add new section 5.303.3.4 Faucets and Fountains to replace Table

Chapter 5 - Division 5.4

Building Maintenance and Operation

2013 CALGreen

- Weather Protection, Construction Waste Management, and Recycling by occupants
- Commissioning

2013 Intervening Cycle Update

- No change
- Updated exceptions to clarify definition of “Dry storage warehouse” to “Unconditioned warehouse”
- Also clarified sq. ftg. Area by adding the term “less than” and deleting “under”
- Added informational notes for accreditation criteria IAS AC 476

Chapter 5 - Division 5.4

Building Maintenance and Operation

2013 CALGreen

- Pollutant Control

2013 Intervening Cycle Update

- Updated reference to CA-CHPS interpretation criteria for both carpet systems and resilient flooring systems
- Also updated product certification specification to: UL GREENGUARD Gold



California Building Standards Commission

➤ Stay in touch with the Commission!

- Web: www.bsc.ca.gov
 - To receive notices and mailings use our Mailing List Request form located on our website.
- Email: cbsc@dgs.ca.gov
- Telephone: (916) 263-0916



What's on the Web!?

California Building Standards Commission www.bsc.ca.gov

- ✓ State Laws and Building Codes
- ✓ Educational Documents
- ✓ Newsletter (CALCode Quarterly)
- ✓ Proposed Codes and Code Adoption Activities
- ✓ Calendar of Events
- ✓ Bulletins and Press Releases
- ✓ Local Code Amendment Filings
- ✓ Commissioner and Committee Rosters
- ✓ Feedback and Contact Information
- ✓ Links to related sites



[California Building Standards Commission](http://www.bsc.ca.gov)

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Thank you!

