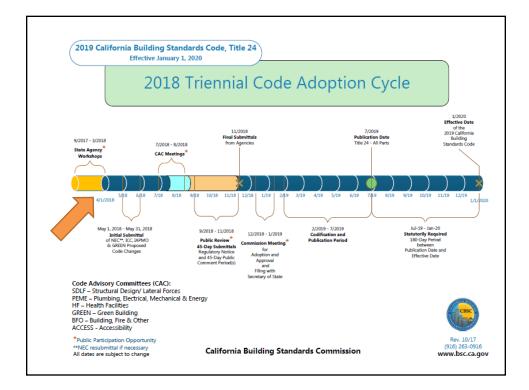


		CALGreen VERIFICATION GUIDELINES MANDATORY MEASURES CHECKLIST					
building addition	ons of 1,000 s	t shall be used for nonresidential projects that m sq. ft. or greater or building alterations with a perm NND do not trigger a Tier 1 or Tier 2 requirement:					
N/A = Not App O = Other (pro [N] = New con	licable (Code vide explanat struction purs	selected and/or included) section does not apply to the project, mainly used ion) uuant to Section 301.3 ations pursuant to Section 301.3	for additions an	d alt	eration	s)	
CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	0	Plan sheet, Spec or Attach Reference
DIVISION 5.1 Planning and Design	Mandatory	Storm Water Pollution Prevention w/ subsections	5.106.1 through 5.106.1.2				
	Mandatory	Short Term Bicycle Parking	5.106.4.1.1				
	Mandatory	Long Term Bicycle Parking	5.106.4.1.2				
	Mandatory	Designated Parking For Clean Air Vehicles	5.106.5.2				
	Mandatory	Parking stall marking	5.106.5.2.1				
	Mandatory	Single (EV) Charging space requirements [N]	5.106.5.3.1				
	Mandatory	Multiple (EV) Charging space requirements [N]	5.106.5.3.2				
	Mandatory	EV charging space calculation [N] w/exceptions	5.106.5.3.3				
	Mandatory	[N] Identification	5.106.5.3.4				
	Mandatory	[N] Future charging spaces w/ notes 1-3	5.106.5.3.5				
	Mandatory	Light Pollution Reduction [N] w/ exceptions and note	5.106.8				
	Mandatory	Grading and Paving w/exception for Additions and Alterations not altering the drainage path	5.106.10				
DIVISION 5.2 Energy Efficiency	Mandatory	Meet the minimum Energy Efficiency Standard	5.201.1				
DIVISION 5.3 Water	Mandatory	Separate Meters (new buildings or additions > 50,000 SF that consume more than 100 gal/day)	5.303.1.1				











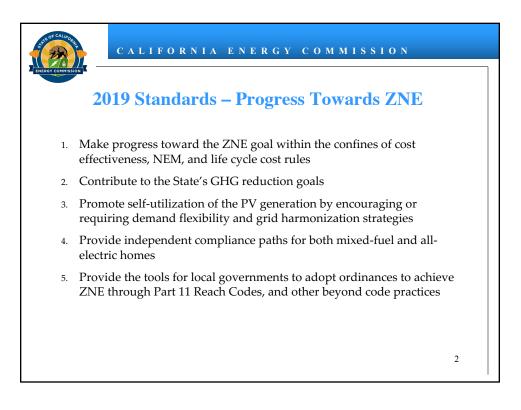


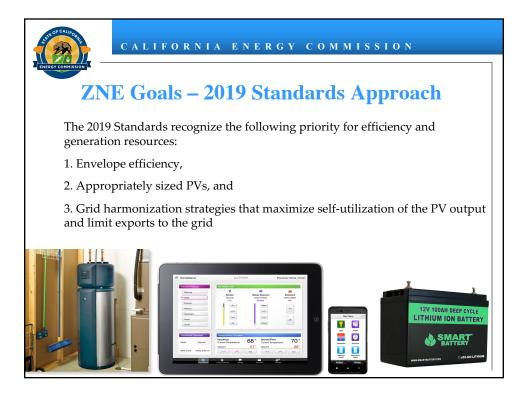
CALIFORNIA ENERGY COMMISSION

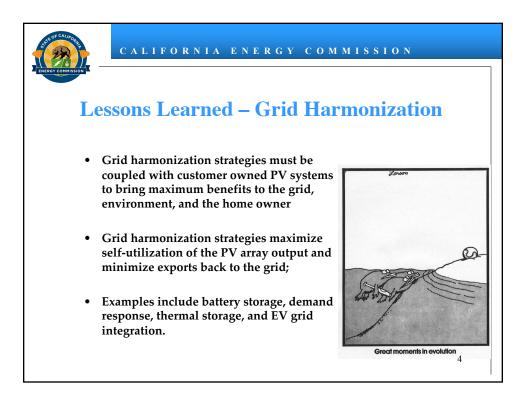
2019 Building Energy Efficiency Standards

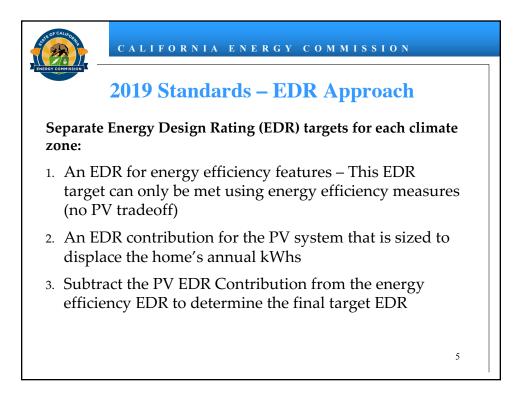
CALBO ABM San Francisco, CA March 28, 2018

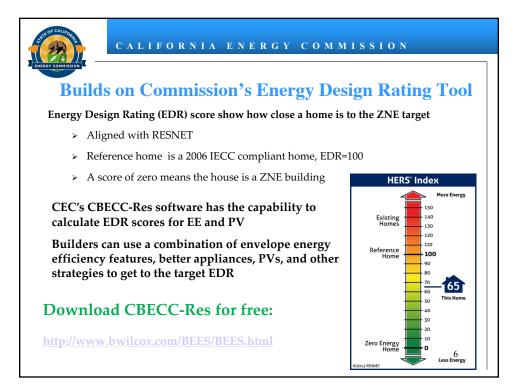
Dave Ashuckian, PE Director, Efficiency Division

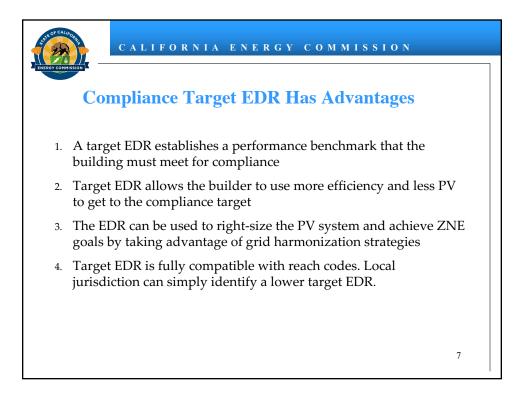


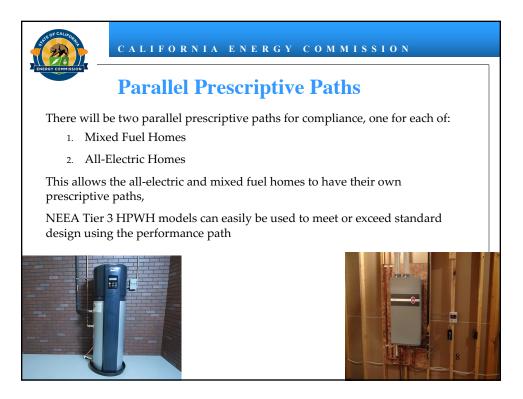


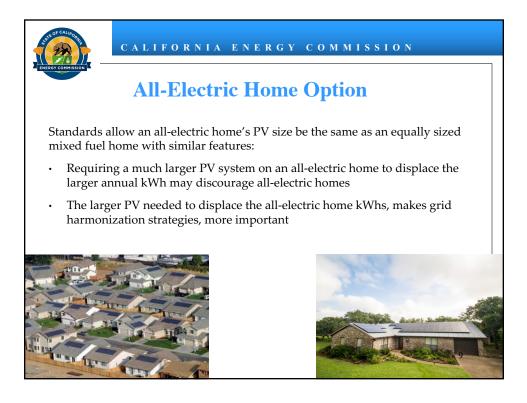


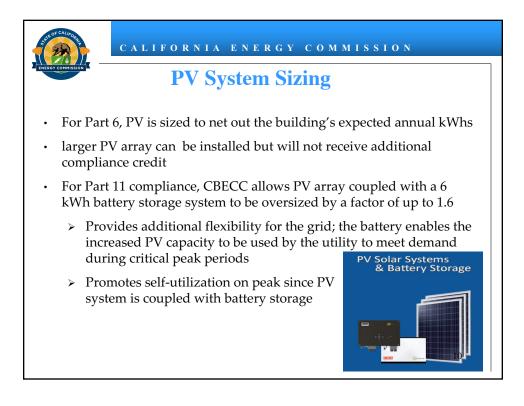


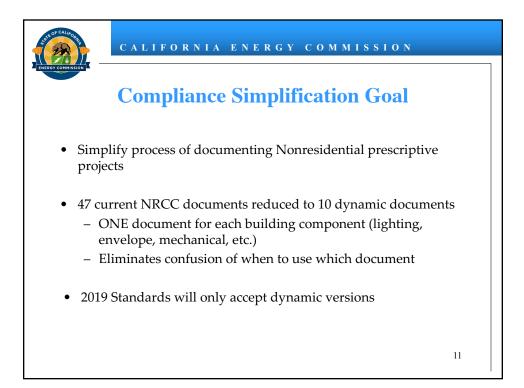


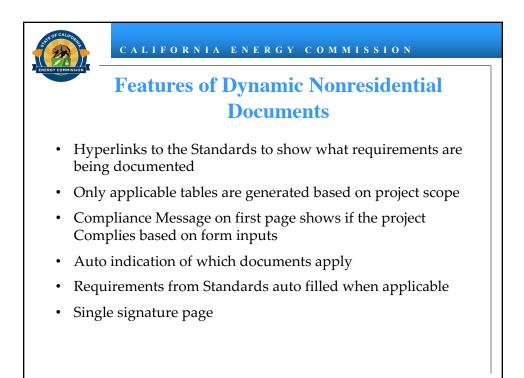


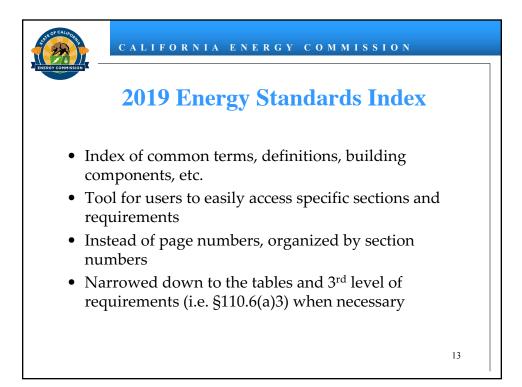


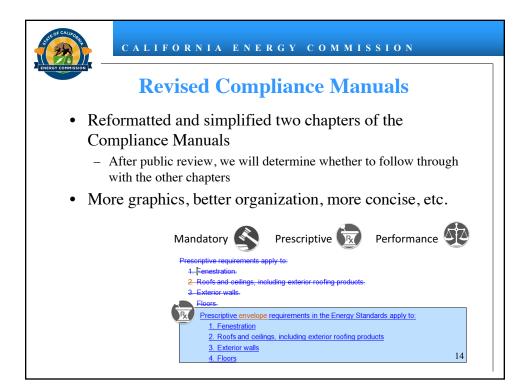


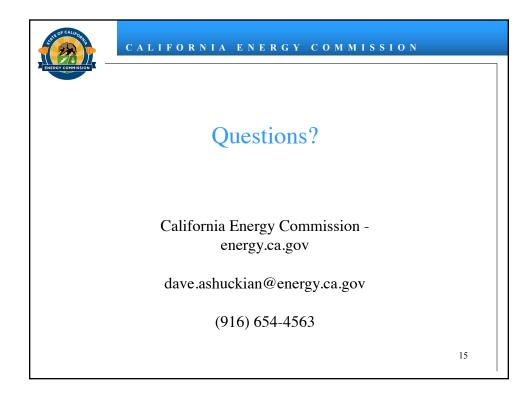


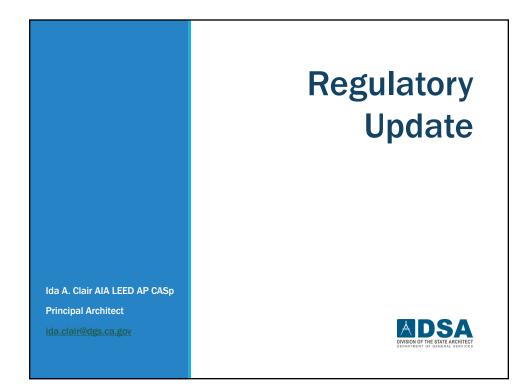


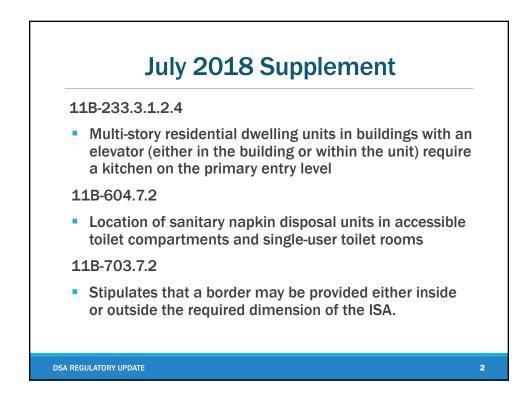




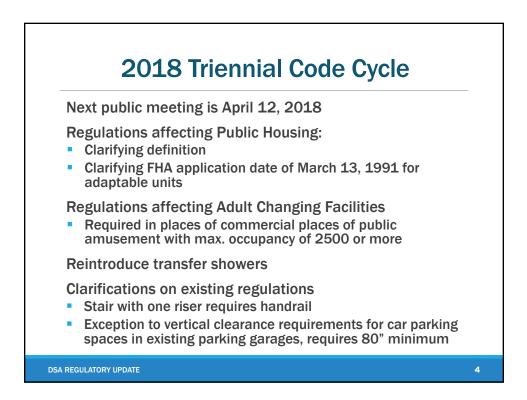


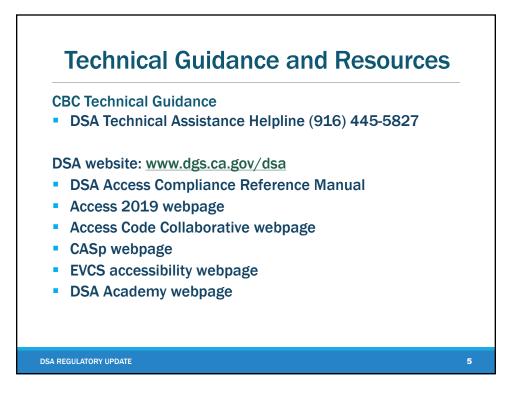


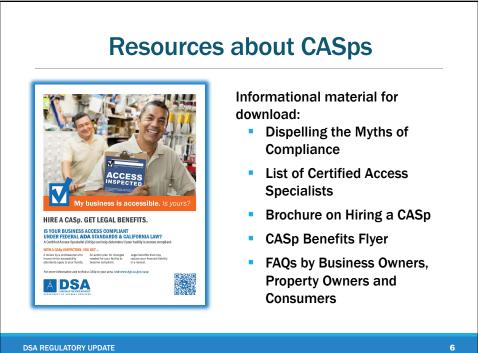


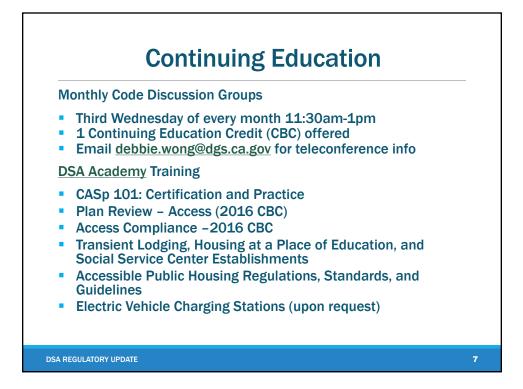


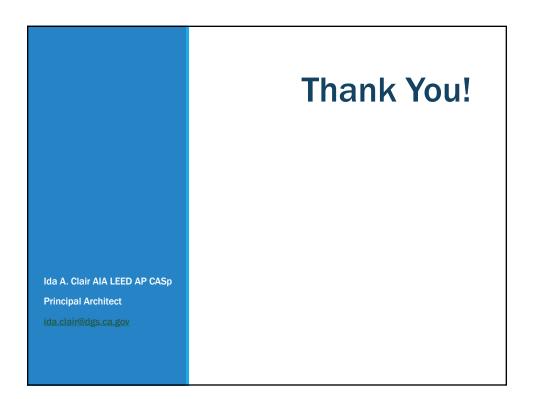












California Department of Housing and Community Development



Stoyan Bumbalov Codes and Standard Administrator I State Housing Law Program Manager

SHL Program

Mission Statement

- The SHL Program improves and assists in implementing and enforcing building and maintenance standards that promote, preserve, and expand safe, durable, affordable, and accessible housing throughout California
- Authority
 - HCD is authorized by law to promulgate and adopt building standards and regulations for several types of building applications, including housing accessibility





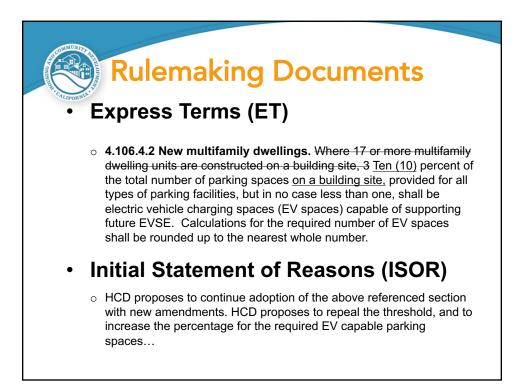
Rulemaking Documents

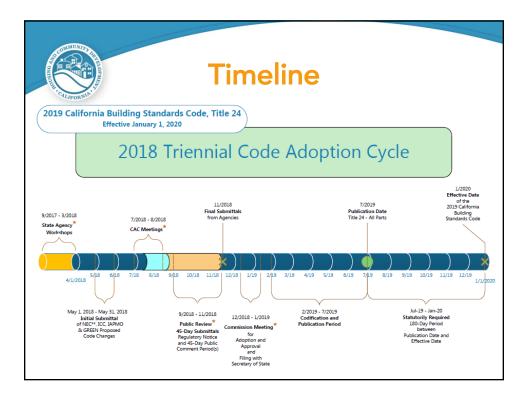
Express Terms (ET)

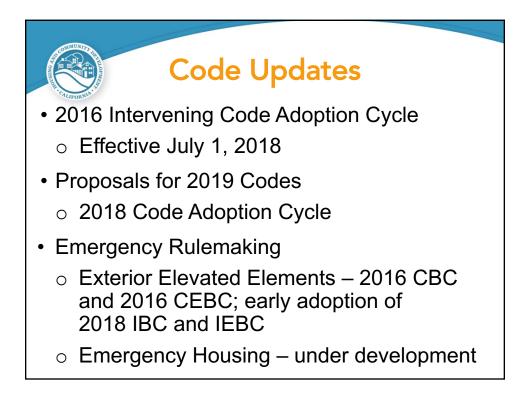
- Shows proposed changes
- o Use strikeout for repeal/delete
- Use underscore for additions/revisions
- Initial Statement of Reasons (ISOR)
 - Shows rationale (reason) for proposed modifications to existing code language

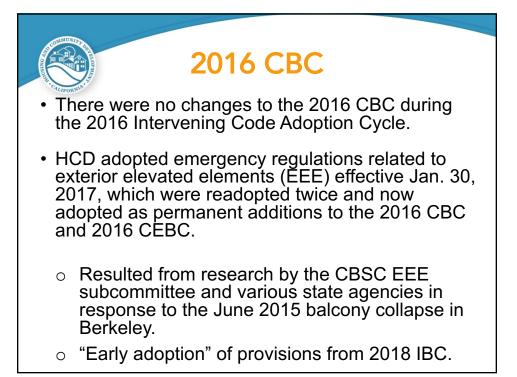
Final Statement of Reasons

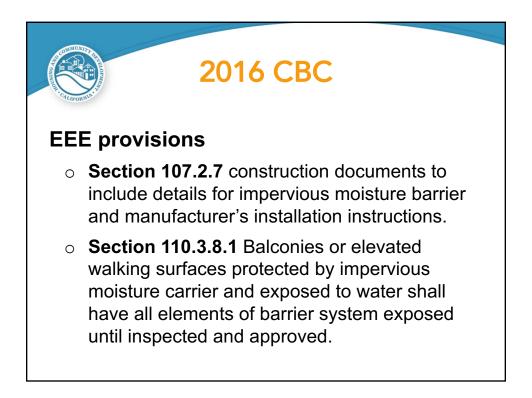
• SHL Response to Public Comments

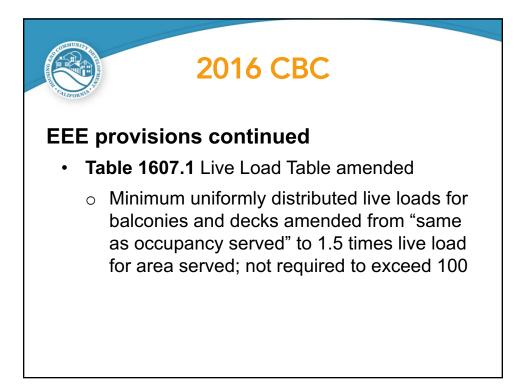


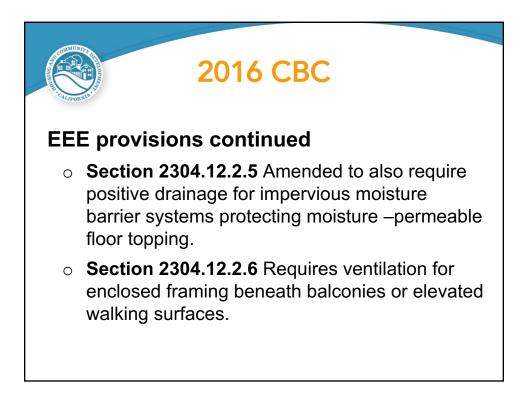




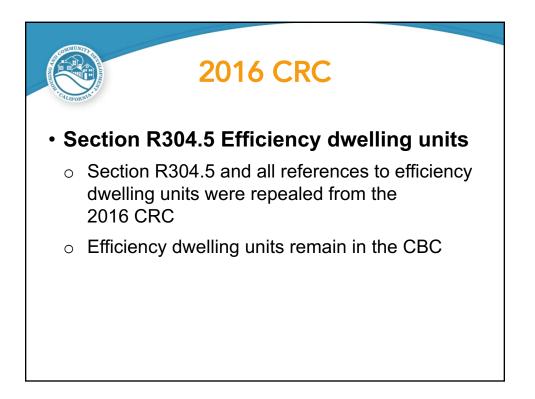




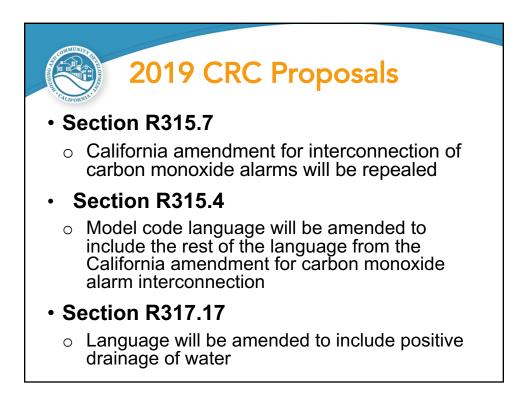


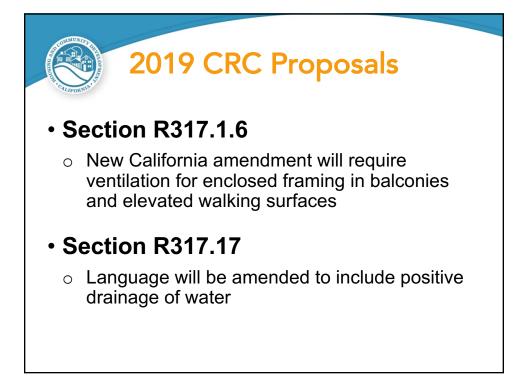


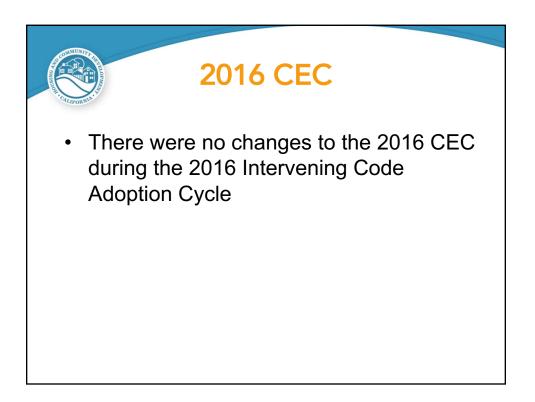


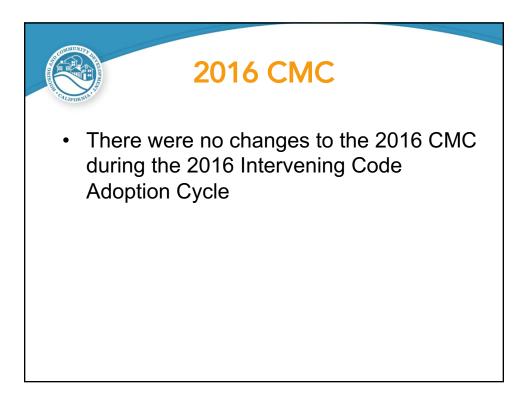


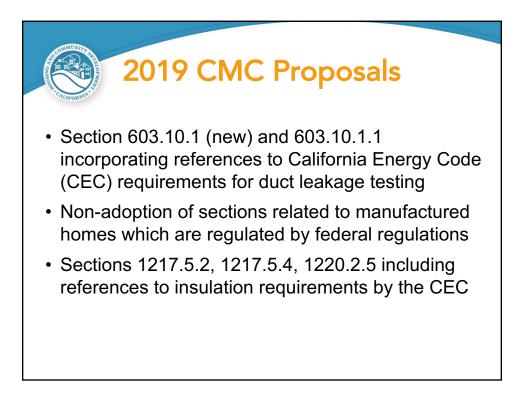


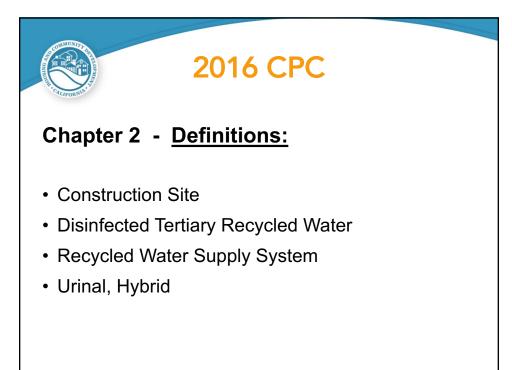


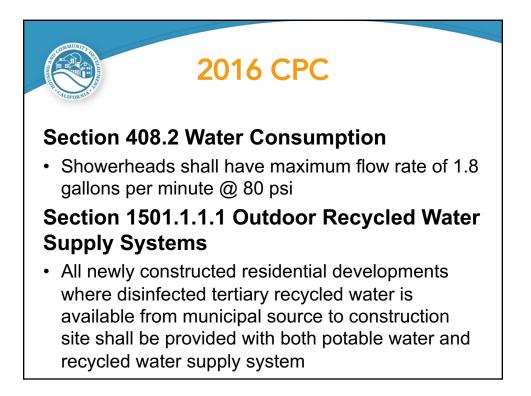














2016 CPC

Section 1501.1.1.1 Outdoor Recycled Water Supply Systems

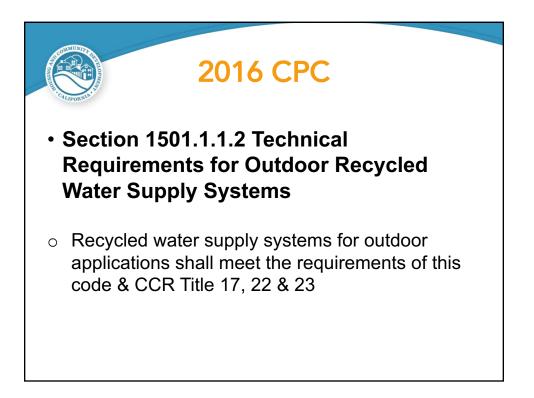
- All newly constructed residential developments where disinfected tertiary recycled water is available from municipal source to construction site shall be provided with both potable water and recycled water supply system.
- Exceptions:

Service area where recycled water is already used for potable purposes.

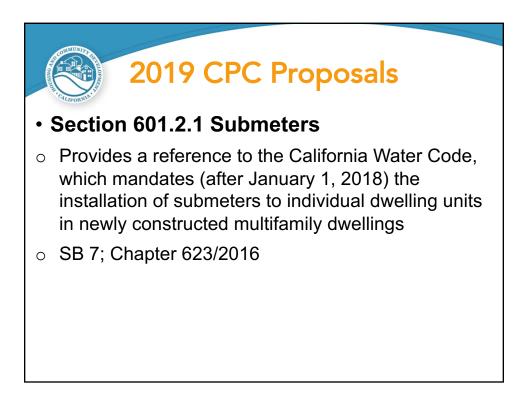
Access is not feasible/cost efficient

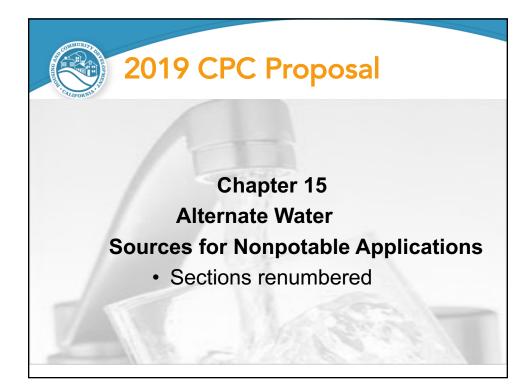
Dual system not required if landscape irrigation is supplied with recycled water at final inspection.

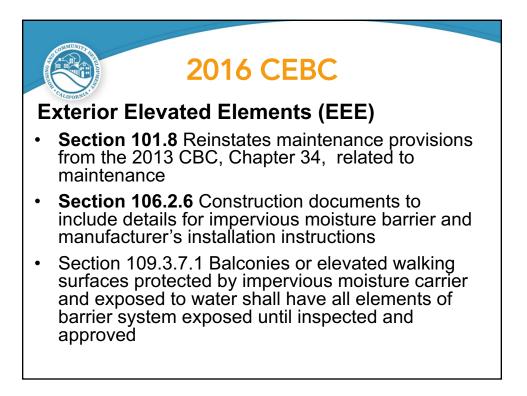
The use potable water on a temporary basis in recycled water supply system as allowed by AHJ







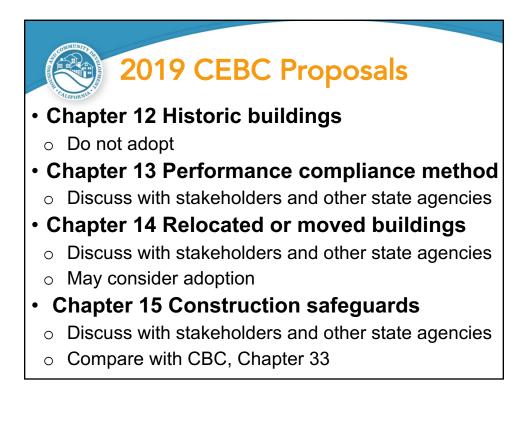


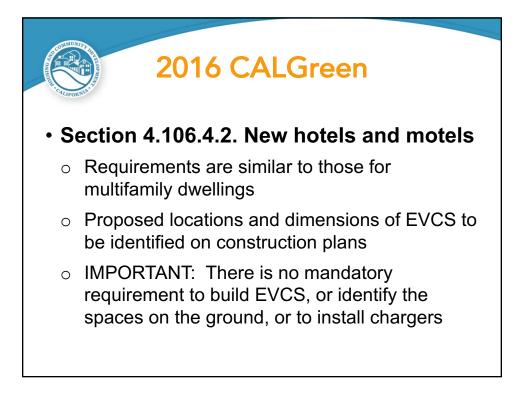




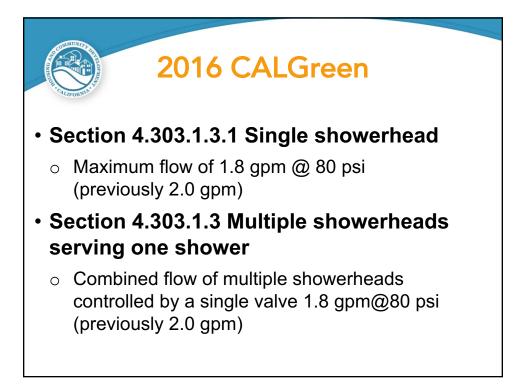
Chapters 1 through 3

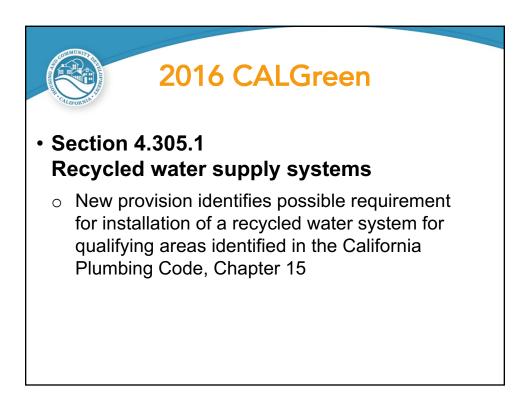
- o Provisions for all compliance methods
- o Adopt
- Chapter 4 Repairs
 - Adopt with a few exceptions
- Chapter 5 Prescriptive Compliance Method
 Adopt with a few exceptions
- Chapters 6-12 Classification of work
 - Discuss with stakeholders and other state agencies



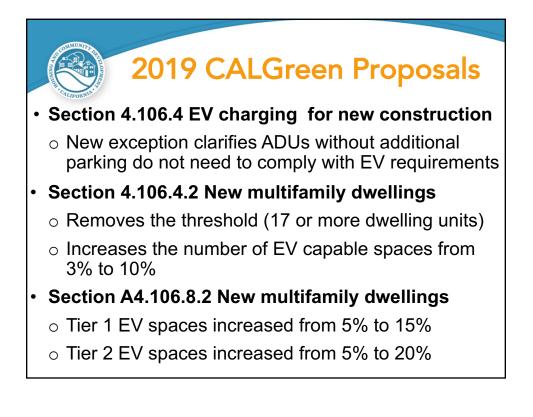


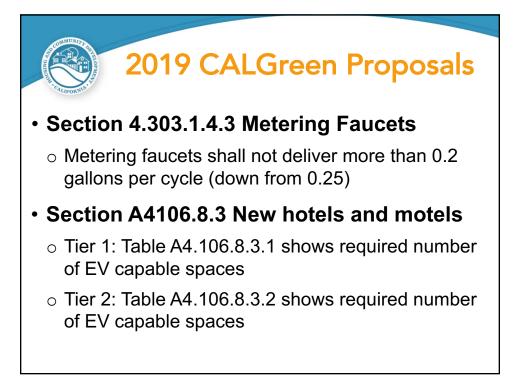
2016 CALGreen										
Table 4.106.4.3.1										
TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED EV SPACES									
0-9	0									
10-25	1									
26-50	2									
51-75	4									
76-100	5									
101-150	7									
151-200	10									
201 and over	6 percent of total									

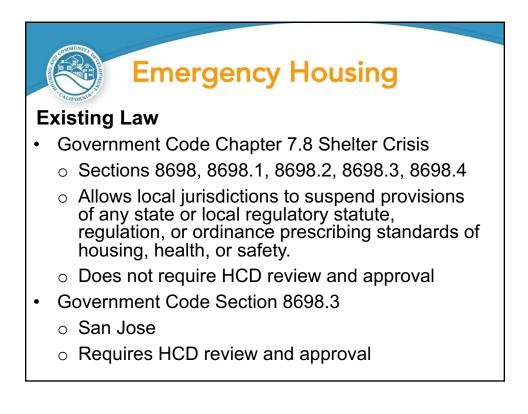


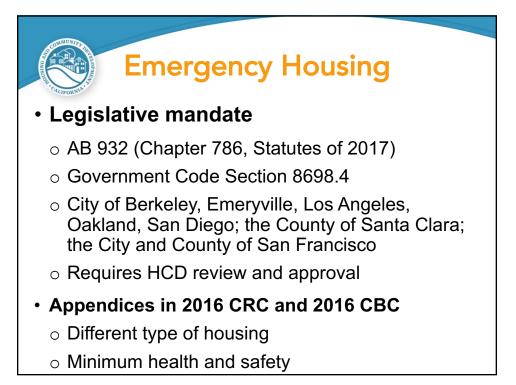










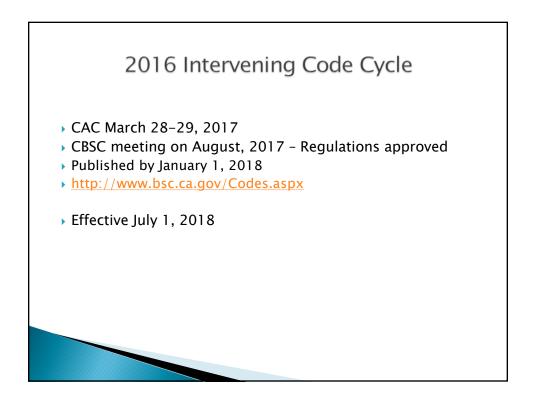


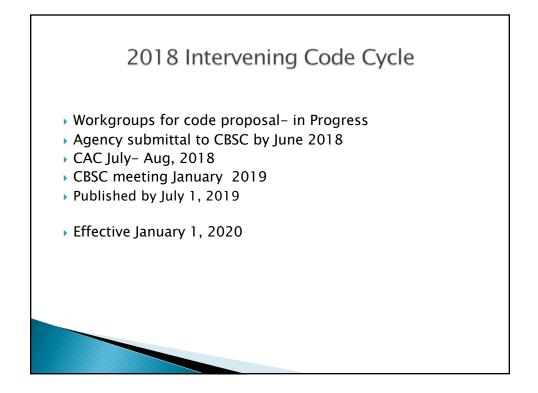


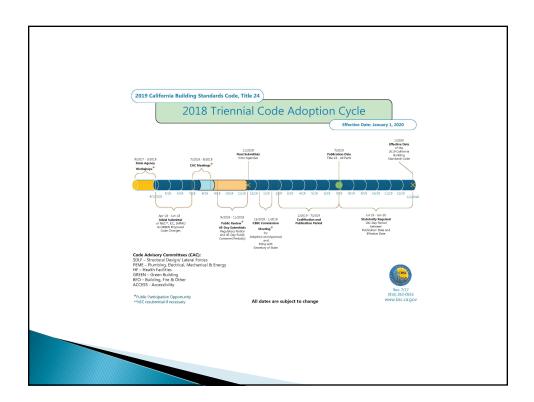


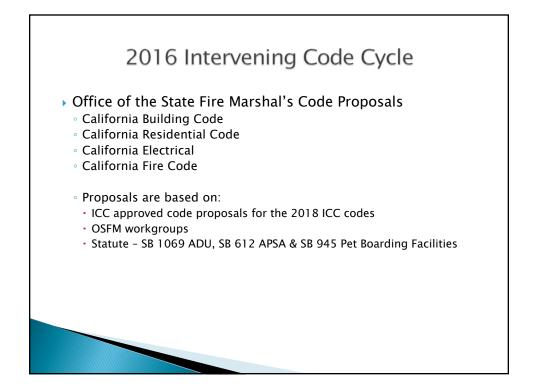


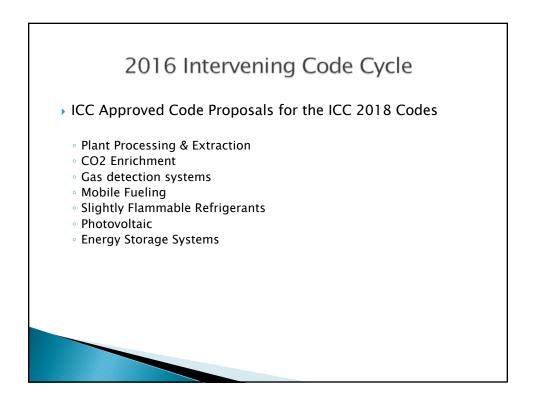


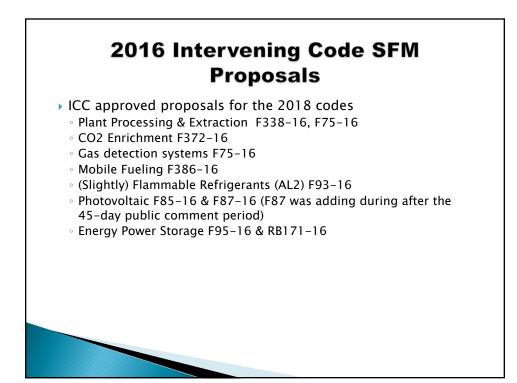


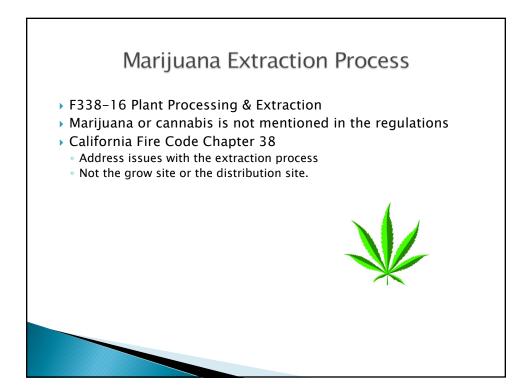


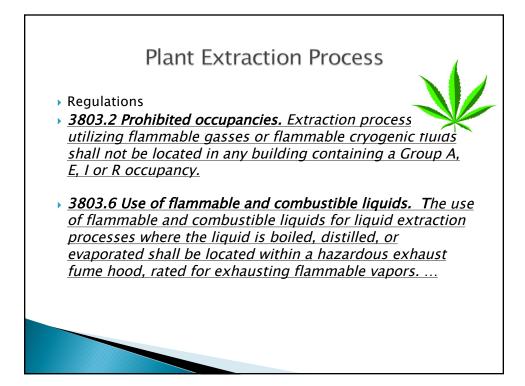


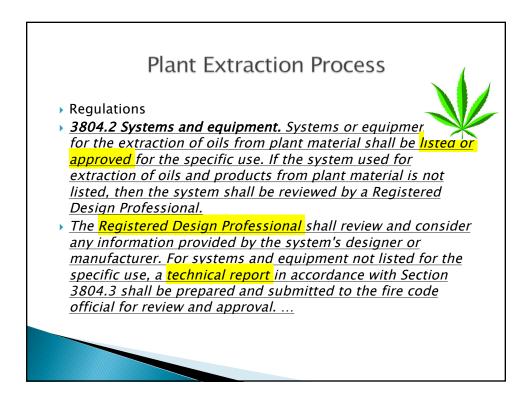


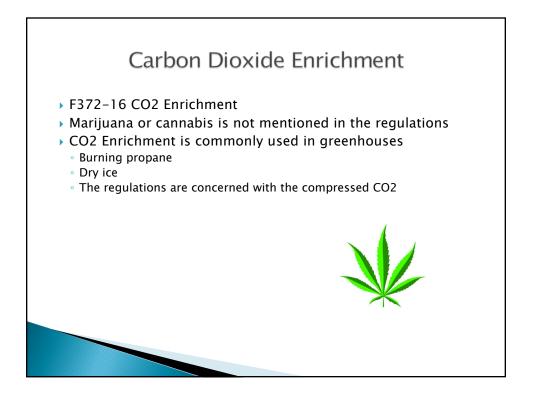


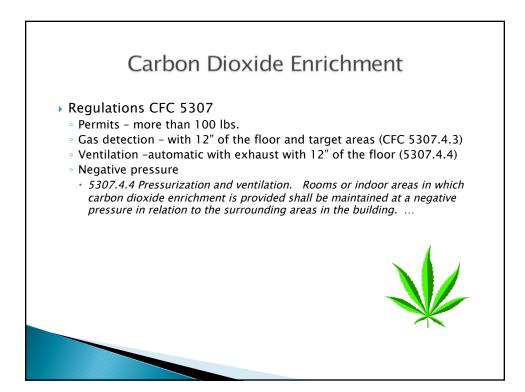




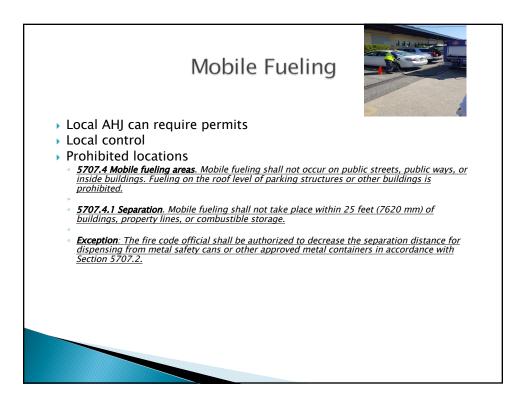


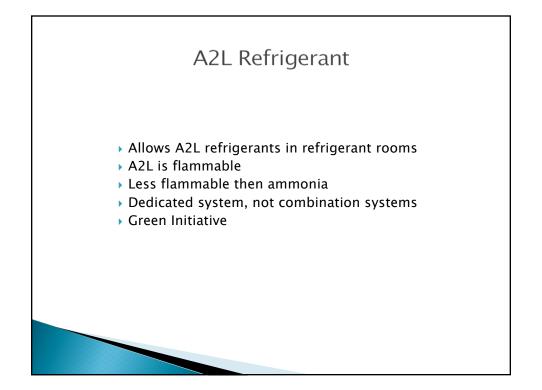


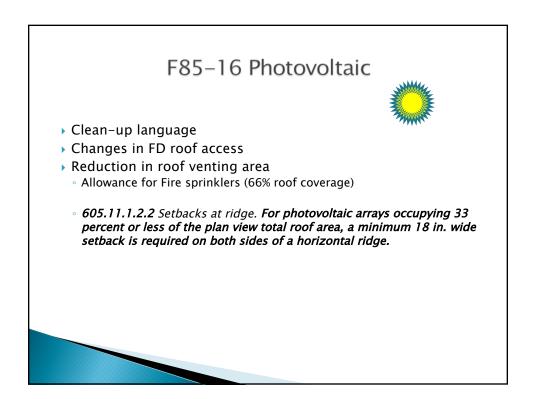




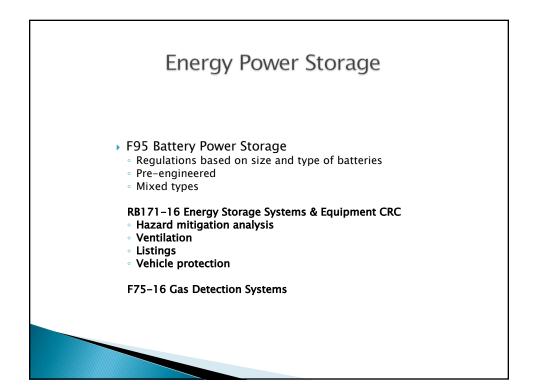


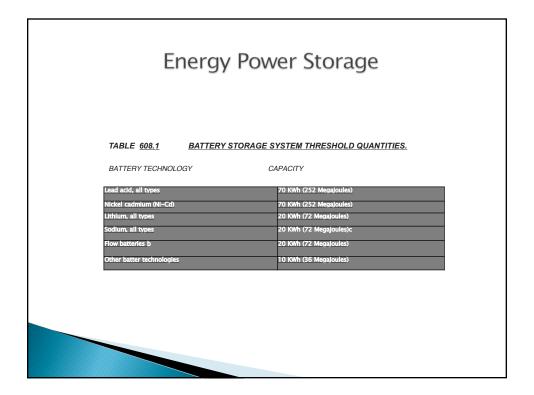




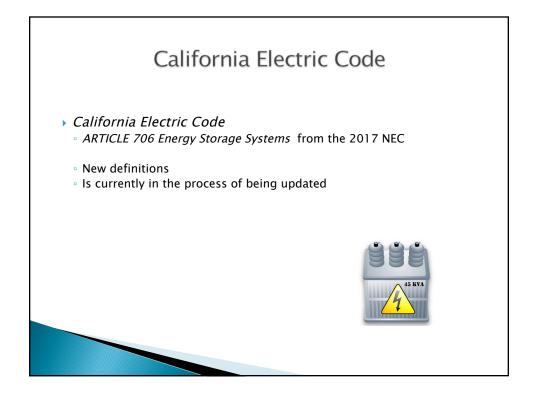


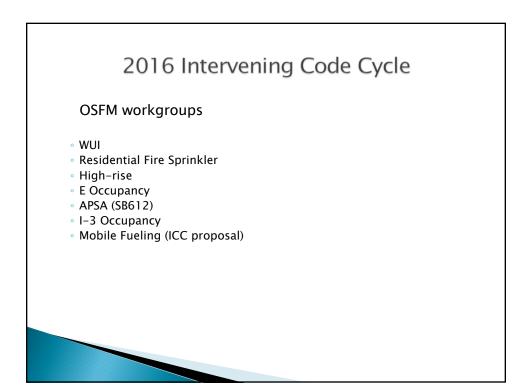


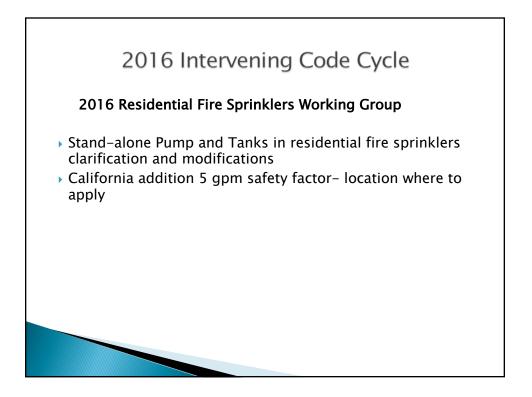




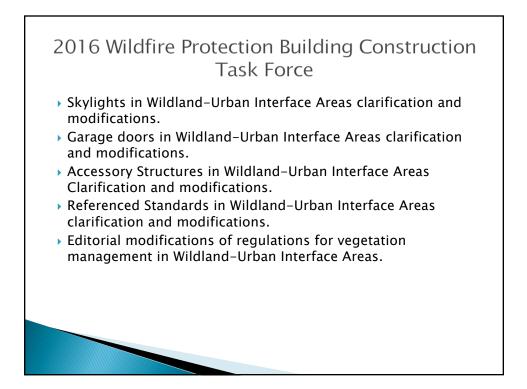
Гю		
En	ergy Power St	torage
BLE 608.3 MAXIMUM ALLO	WABLE BATTERY QUANTITIES	
BATTERY TECHNOLOGY	MAXIMUMALLOWABLEQUANTITIESa	GROUPHOCCUPANCY
Lead acid, all types	unlimited	Not Applicable
Nickel cadmium (NI-Cd),	unlimited	Not Applicable
Lithium, all types	600 KWh	Group H-2
Sodium, all types	600 KWh	Group H-2
	600 KWh	Group H-2
Flow batteries b		
		Convertil 2 a
Flow batteries b Other battery technologies	200 KWh	Group H-2 c
		Group H-2 c

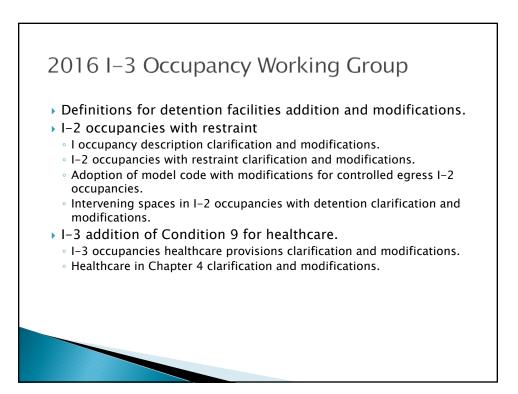


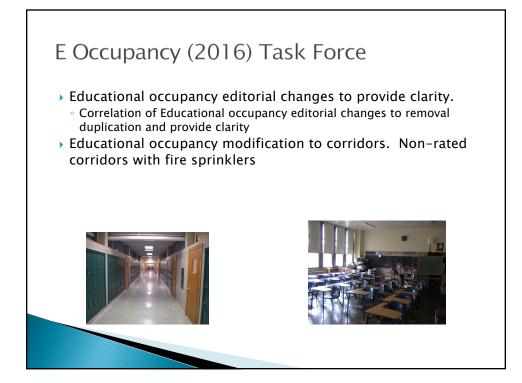


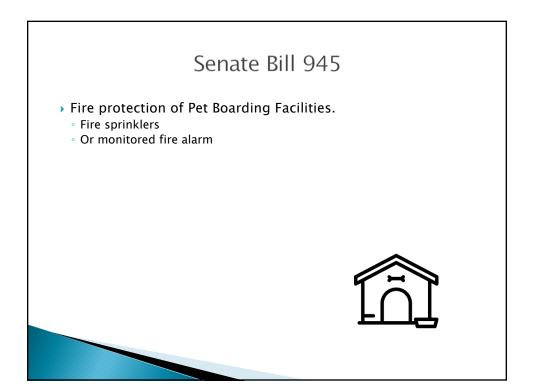


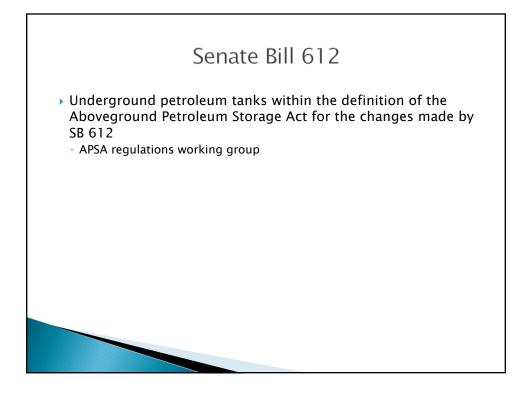


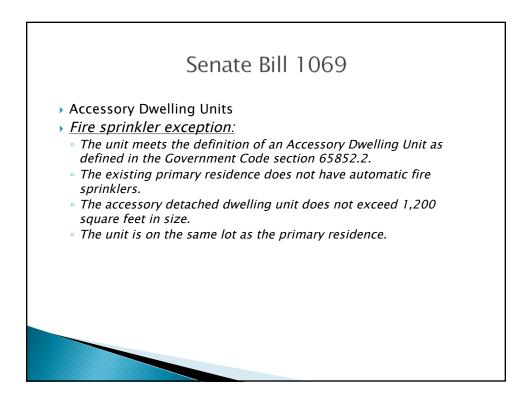














	Information Bulletin 17-001 (continued) Senate Bill 1099 adds the following exception for automatic residential fire sprinkler system # at the following conditions exast. • The unit meets the definition of an Accessory Dealing Unit in the Government Code (second 69592 2).
California State Fire Marshal Information Bulletin 17-001	 The existing primary residence is not required to have an automatic residential sprinkler system. The accessory detached dwelling unit does not exceed 1,200 square feet in size. The unit is on the same lot as the orimary residence.
Issued: January 24, 2017 Automatic Residential Fire Sprinkler System Requirements for Accessory Dwelling Units	 The statute prohibits local authorities from requiring automatic residential sprinkler systems for accessory dwelling units unless they are required for the primary dwelling unit.
Senate Bill 1069, Wilockowski (Chapter 720, Statues of 2016) Land use: zoning, amends action 658522 of the Government Code to provide reform and incentives to facilitation and reported the out-outvictude of adhorable hunding. The law was existing housing. An accessory develop untrany loweling and associated with existing housing. The concessor the status affect the adomain consideration for existing house. The damages in the status affect the adomain consideration for applications of the concessory develop untrany loweling units by exempting the requirement in some statustions, node below.	 Automatic residential sprinkler systems are required in all new homes including these built with an accessory detelling unit. New accessory develling unit man betware an automatic residential sprinkler system when the existing house has an automatic residential sprinkler. Existing houses whow an automatic residential sprinkler system. Existing houses whow an automatic residential sprinkler system. Existing houses whow an automatic residential sprinkler system.
The Covernment Code is part of California statute and the toil has an effective date of Javanuery 1.2017. The statute takes proceedings one load regulations or ordinances. The information on SB 1069 can be found at: http://gainto.legistature.ca.gov/faces/bill/Nar-Clent.htm?/bill.dt-2015201605810 B9	Addition considerations: • Existing houses that increase the square footage while adding an attached accessory dwolling unit may exceed an automatic residential sprakler system threshold obtainance based on a local optimization. If the local automyth has an square footage exceeds the prevented amount the local automyth any square footage exceeds the prevented amount the local automyth any square footage exceeds the prevented amount the local automyth any stream footage exceeds the prevented amount the local automyth any stream footage exceeds the prevented amount the local automyth any the
Automatic Residential Fire Sprinkler System Requirements The California Residential Code section R313.2 requires automatic residential fire	require an automatic residential sprinkler system to the entire house including the accessory dwelling unit. New detached accessory dwelling units are required to comply with the
sprinkler systems in one and two family dwellings: R313.2 One- and two-family dwellings automatic fire systems. An automatic residential fire sprinkler system shall be installed in one- and two-family dwellings.	standards for fire protection such as water supply and fire department access. Automatic residential spinitiker systems provide construction options for the owner by providing different ways to complying with the fire protection requirements.
Exception: An automatic residential fire sprinkler system shall not be required for additions or alterations to existing buildings that are not already provided with an automatic residential sprinkler system.	
Page 1 of 1	Page 2 of 2

