

ATTACHMENT 2

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SUMMARY OF OCFA-RECOMMENDED LOCAL CODE AMENDMENTS TO CFC

New For 2019 Local Code Amendments:

SUBJECT (2019 CFC SECTION)	PURPOSE/ JUSTIFICATION
Carbon Monoxide detection in Existing Group E buildings (§ 1103.9.1)	Adds clarification to address carbon monoxide detection in existing educational buildings.
Energy Systems (§ 1201.1.1)	Adds specification for battery charging systems for cars and carts.
Mobile Fueling – Flammable and Combustible Liquids	
On Demand Mobile Fueling (§ 5701.1.1)	Prohibits on-demand mobile fueling. (Chapter 57 of the CFC is adopted with the exception of § 5707 and the addition of § 5701.1.1)
Mobile Fueling – Flammable Gases and Flammable Cryogenic Fluids	
Scope (§ 5801.1)	Prohibits on-demand mobile fueling of gaseous and liquid hydrogen, compressed natural gas, and liquefied natural gas.
Referenced Standards	
Concealed spaces (§ 8.15.1.2.7)	Require fire authority approval when noncombustible insulation is proposed in lieu of fire sprinklers in concealed spaces.

Revisions to Previously Adopted Local Code Amendments:

SUBJECT (2019 CFC SECTION)	PURPOSE/ JUSTIFICATION
Definitions (§ 202)	Deletes definitions related to "sky lantern"; Adds definition of "OCFA" added for clarity; "spark arrester" unchanged.
Vegetation (§ 304.1.2)	Aligns maintenance to OCFA Guideline C-05 requirements. Existing amendment language modified to align better with Guideline.
Hazardous Conditions (§ 305.6)	Prohibits outdoor fires during hazardous weather conditions.
Sky Lanterns (2019 CFC: § 308.1; 2016 CFC: §324)	Revises section to be consistent with 2016 code.

Previously Adopted Local Code Amendments – Recommended for Re-Adoption with No Modifications:

SUBJECT (2019 CFC SECTION)	PURPOSE / JUSTIFICATION
General Requirements	
Violation penalties (2019 § 110.4; 2016 § 109.4)	Clarifies administrative violation process; fines now based on OCFA adopted fee schedule.
Infraction & Misdemeanor (2019 § 110.4.2; 2016 § 109.4.2)	Used for purpose of applying penalties under § 109.4. Amendment combines definitions of infraction and misdemeanor under one section--scope of infraction/misdemeanor modified compared to 2013 version.
Hazardous Conditions (2019 § 305.6; 2016 § 305.6.2)	Prohibits outdoor fires during hazardous weather conditions.
Disposal of Rubbish (§ 305.7)	Prohibits open burning of trash, leaves, and other debris.
Open burning, recreational fires, fire pits, fire rings, and outdoor fireplaces (§ 307)	Administrative change to the section title to include fire pits and fire rings regulated under amendments in 307.6. No change from previous amendment.
Outdoor Fireplaces, Fire Pits, Fire Rings, or similar devices used at Group R Occupancies. (§ 307.6)	Addresses requirements for outdoor fireplaces, fire pits, fire rings. Existing amendment language modified for additional clarity for the exception.
Gas-fueled devices (§ 307.6.1)	Prohibits gas fire pits within 3' of R-3 occupancy or 10' of other R occupancies; modified to reference amended definition for spark arrester
Devices using wood or fuels other than natural gas or LPG (§ 307.6.2)	Prohibits solid fuel within 15' of combustibles unless in a fireplace; modified referenced section numbers
Where prohibited (§ 307.6.2.1)	Prohibits solid fuel fires in fuel mod zone, and in Wildland-Urban Interface/Wildfire Risk Area outside of fireplaces; modified to match adopted code terminology
Fuel modification requirements for new construction (2019 § 321; 2016 § 320)	Codifies requirements for fuel modification in properties adjacent to areas with combustible vegetation hazards. Existing amendment language modified for additional clarity, but no material change in content or effect.
Clearance of brush or vegetation growth from roadways (2019 § 322; 2016 § 321)	Authorizes clearance of vegetation from edges of roadways to reduce ignition hazard
Unusual circumstances	Provides for suspension of or alternative methods of compliance with vegetation maintenance standards under specific circumstances

Use of equipment (2019 § 324; 2016 § 323)	Requires use of spark arrester on equipment used in wildfire prone areas; reference to code Section 323.1 is changed to Section 202. Existing amendment language modified for additional clarity, but no material change in content or effect.
Use of equipment and devices generating heat, sparks or open flames (2019 § 324.1; 2016 § 323.1)	Adopts a modified version of Public Resources Code requirement (30' setback instead of 10') for hazardous activities in wildland risk areas based on the cause of multiple fires in OCFA jurisdiction.
Spark arresters (2019 § 324.2; 2016 § 323.2)	Existing amendment is modified to reflect and reference newly added Section 202 definition, but no material change in effect.
Emergency Planning and Preparedness	
Hazardous Material Inventory Statement (§ 407.5)	Reference to Hazardous material Inventory Statement is replaced by "OCFA's Chemical Classification packet" for consistency with Ch.50 language
Fire Service Features	
Scope (§ 501.1)	Adopt Guideline B-09 and B-09a for fire department access and firefighting water standards. Per CalFIRE, adoption of B-09/B-09a is necessary to apply local requirements in SRA, and LRA Very High Severity Zone, to ensure consistency in application of requirements throughout SRA with other areas within OCFA jurisdiction. B-09 provides development standards for criteria referred to throughout CFC Ch. 5 "as approved" or "as required by the fire code official." It includes requirements for fire lane measurement, fire lane width in wildfire hazard areas and size of address numbers that were previously separate amendments.
Emergency Responder Radio Coverage	
In Existing Buildings (CFC: § 510.2)	Deletes requirement for existing buildings.
Fire Protection Systems	
Where required (Sprinklers) (§ 903.2)	Existing amendment. Requires sprinklers in new buildings based on size. Requires sprinkler retrofit in buildings undergoing addition based on various area criteria. Revised to allow exception for open parking garages.
Group R (Sprinklers) (§ 903.2.8)	Requires sprinkler retrofit in homes undergoing addition or remodel based on various area criteria.

Hydraulically calculated systems (§ 903.3.5.3)	Adds specification for industry standard 10% safety margin to be included in sprinkler calculations.
Lumberyard, Agro-industrial, Solid Biomass and Woodworking Facilities	
Permit (Miscellaneous combustible storage) (§ 2801.2)	Clarifies permit for storage/composting of green waste is a Miscellaneous Combustible Storage permit. Existing amendment language modified for additional clarity, but no material change in content or effect.
Storage site (§ 2808.2)	Requires OCFA approval of site before bringing combustibles to the site; minor modification to clarify type of ground suitable for storage areas.
Size of piles (§ 2803.3)	Reduces the size of piles of combustible materials
Pile separation (§ 2808.4)	Requires 20' separation between piles instead of specifically a fire lane; requires 100' separation from other combustible vegetation.
Pile fire protection (§ 2807.7)	Requires oscillating sprinklers to maintain moisture content and wet down burning/smoldering areas.
Material-handling equipment (§ 2808.9)	Requires approved spark arrester on equipment.
Temperature control (§ 2808.11)	Requires that temperature be monitored and maintained.
Pile temperature Control (§ 2808.11.1)	Requires rotation of piles above 165 degrees.
New material temperature control (§ 2808.11.2)	Regulates acceptance of new piles above 165 degrees; minor language addition reiterates that compliance with other section from this chapter also required.
Water Availability (§ 2808.12)	Establishes firefighting water quantity requirements.
Tipping Area (§ 2808.13)	Establishes requirements for new material tipping area configuration and use.
Emergency Contact (§ 2808.14)	Requires posting of emergency contact info.
Requirements for Wildland-Urban Interface Fire Areas	
OCFA vegetation management guideline (§ 4906.3)	Includes OCFA Guideline C-05 in list of laws and regulations that must be followed for vegetation maintenance. Existing amendment language modified to match current guideline title.
Fuel modification requirements for new construction (§ 4908)	Requires fuel modification for buildings in Wildfire Risk Area. Existing amendment language modified for additional clarity and to align with current procedural requirements.
Hazardous Materials	

Hazardous materials inventory statement (HMIS) (§ 5001.5.2)	References "OCFA's Chemical Classification Packet" instead of a Hazardous Materials Inventory Statement.
Extremely hazardous substances (§ 5003.1.1.1)	Prohibits extremely hazardous substances above disclosable amounts in a residential area.
Explosives and Fireworks	
Firing (Fireworks) (§ 5608.2)	Requires fireworks shows to be electrically fired; additional language added for clarity.
Application for Permit (§ 5608.3)	Carries over Title 19 requirement into Fire Code so it can be amended to establish a 100'/inch fallout zone instead of the standard 70'/inch; Amendment is new, but requirement is not--fallout zone size carried over from OCFA fireworks guideline adopted by amendment in previous code cycles.
Reference Standards	
NFPA 13	
FDC Type (2016 NFPA 13 § 6.7.3; 2013 NFPA § 6.8.3)	Specifies type, location, color of FDC. Existing amendment language modified for additional clarity and to better align with other sections of NFPA 13.
Shell buildings (§ 8.3.3.1)	Specifies sprinkler type for spec shell buildings that are not warehouses.
Sprinkler design (§ 11.1.1.2))	Specifies sprinkler design criteria for spec buildings that are not warehouses.
Water supply (§ 11.2.3.1.1.1)	Specifies acceptable methods of determining water supply.
NFPA 13D, 13R	
Control valves (§ 7.1.2)	Requires monitoring if a dedicated sprinkler shutoff valve is installed.
NFPA 14	
Hose Connection Height (§ 7.3.1.1)	Specifies height of hose outlet.
NFPA 24	
Indicating Valves (2016 NFPA 24 § 6.2.8.1; 2013 NFPA 24 § 6..2.1.1, 6.3.3)	Specifies that valves controlling firefighting water supplies shall be painted red to facilitate identification by firefighters; provides exception for valves on exterior risers and for a system with only OS&Y shutoff valves; previously, amendment for red valves was found in two sections of NFPA 24, now consolidated into one.
Street valves (§ 6.2.9; 2013 § 6.2.11(5))	Removes exception for roadway valve boxes

Wrapping/Coating Pipe (§ 10.1.5; 2013 § 10.1.6.3)	Revised to allow <i>wrapping</i> of pipe with polyethylene sheet in accordance with AWWA standards instead of <i>tubing</i> .
Pipe joints (§ 10.4.1.1; 2013 § 10.3.6.2)	Specifies that stainless steel parts do not need to be coated with asphalt or other corrosion retardant.
Stainless steel bolts (§ 10.4.1.1.1; 2013 § 10.3.6.3)	Requires use of stainless steel bolts.
Pipe under foundations (§ 10.4.3.2; 2013 § 10.6.3.1)	Requires pipe to terminate near exterior wall; requires single piece stainless steel sweep at riser.

Deletions of Previously Adopted (2016) Local Code Amendments:

OCFA is recommending that the following previously adopted local code amendments not be re-adopted for 2019:

SUBJECT (2019 CFC SECTION)	PURPOSE / JUSTIFICATION
Indoor Charging of Electric Vehicles (2016 CFC: § 309.2.1)	2016 amendment addresses hazards associated with rechargeable vehicle batteries. Equivalent provisions are included in 2019 CFC Ch. 12, § 1201-1.
Sky Lanterns or Similar Devices (2016 CFC: § 324)	2016 amendment prohibits use of sky lanterns as they are an uncontrolled ignition source; 2019 amendment deletes exception for tethered sky lanterns, as tethering is not an effective fire safety measure in practice.
Dimensions (Fire Lanes) (2016 CFC: § 503.2.1)	2016 amendment specifies how to measure road width between flow lines. Requirement in OCFA Guideline B-09 proposed to be adopted instead.
Address Identification 2016 (2016 CFC: § 505.1)	2016 amendment specifies 6" numbers for commercial/multi-family residential building addresses. Requirement is already in OCFA Guideline B-09, proposed to be adopted.
Emergency Responder Radio Coverage	
Technical Criteria (2016 CFC: § 510.4.2.2)	2016 amendment provides more specifics for the design of emergency responder radio system. Orange County Sheriff's Dept. Communications and Technology Division ("OCSD-CTD") will be responsible for radio coverage communication systems starting Jan. 1, 2020. Therefore, any technical requirements will be managed by OCSD-CTD, including issuing any permits.
Approval prior to installation (2016 CFC: § 510.5.1)	2016 amendment requires plan submittal/coordination/approval from OCSD-CTD, and requires approved plans to be provided to Building

	<p>Official in addition to OCFA. OCSD-CTD will be responsible for radio coverage communication systems starting Jan. 1, 2020. Therefore, any technical requirements will be managed by OCSD-CTD, including issuing any permits.</p>
<p>Minimum Qualification of Personnel (2016 CFC: § 510.5.2)</p>	<p>2016 amendment requires licensed/certified designer/installer. OCSD-CTD will be responsible for radio coverage communication systems starting Jan. 1, 2020. Therefore, any technical requirements will be managed by OCSD-CTD, including issuing any permits.</p>
<p>Acceptance test procedure (2016 CFC: § 510.5.3)</p>	<p>2016 amendment specifies that annual inspections to be done by FCC licensed technician and OCSD-CTD technician. OCSD-CTD will be responsible for radio coverage communication systems starting Jan. 1, 2020. Therefore, any technical requirements will be managed by OCSD-CTD, including issuing any permits.</p>
<p>Testing and Proof of Compliance (2016 CFC: § 510.6.1)</p>	<p>2016 amendment designates building owner as responsible party for annual testing. Provides more specific requirements for testing and certification. OCSD-CTD will be responsible for radio coverage communication systems starting Jan. 1, 2020. Therefore, any technical requirements will be managed by OCSD-CTD, including issuing any permits.</p>