

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments

April 8, 2015 (*Revised 5-15-15*)

Following is a summary of the amendments to the Municipal Code necessary to adopt and implement 2013 edition of the California Fire Code (CFC), California Building Code (CBC), California Electrical Code (CEC), California Plumbing Code (CPC), California Mechanical Code (CMC), California Residential Code (CRC) and the California Green Building Standards Code (CGBSC). The changes proposed are intended for the Municipal Code to comply with state law, clarify State regulations, remove inconsistencies, and to add regulations that correlate between State standards not coordinated by the State. The amendments are organized sequentially by code section with administrative regulations followed by technical building standards. Within each category the individual amendments are listed in order of the associated code sections that would be amended. Each amendment is further analyzed and described in the report to Board of Building Appeals and Advisors.

Note: Note: Revisions made after publication of this report are reflected in double underline for added text or ~~double strike~~ through for deleted text. The reason statement has been updated to explain the reason for the change and whether it was considered by the Board of Building appeals and Advisors.

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
Fire Protection and Prevention Amendments: The following amendments are proposed to implement the technical standards in the 2013 edition of the California Fire Code.			
Fire Protection and Prevention – Amendments to the 2013 California Fire Code			
1.	Comply with State Law/ Editorial	§55.1101 through §55.5101	<ul style="list-style-type: none"> Sections were renumbered for consistency with the 2013 California Fire Code. The model code chapters were significantly rearranged in this code cycle necessitating moving several chapters to match the 2013 CFC.
2.	Comply with State Law/ Clarification	§55.0403	<ul style="list-style-type: none"> Clarification of existing ordinance language. Clarifies that the Fire Code Official may modify the duties of Standby Fire Personnel to adapt to varying situations.
3.	Repeal/ Redundant	§55.0507	<ul style="list-style-type: none"> Deleting local amendment 507.5.1. Provision is adequately addressed in the model code.
4.	Repeal/ Redundant	§55.0901	<ul style="list-style-type: none"> Deleting local amendment 901.1. Provision is adequately addressed in the model code.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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5.	Editorial	§55.0903	<ul style="list-style-type: none"> Section 903.6.1.7 replaced, “City Manager” with “Mayor.”
6.	Comply with State Law/ Editorial	§55.5501	<ul style="list-style-type: none"> Section 5501(b) (2) corrected a reference to the “Uniform” Fire Code.
7.	Editorial	§55.5501	<ul style="list-style-type: none"> Section 5001(e) replaced, “City Manager” with “Mayor.”
8.	New requirement	§55.5610	<ul style="list-style-type: none"> Section added to extend the existing County-wide prohibition on all fireworks, not used in conjunction with a public display by a State licensed pyrotechnic operator, into the incorporated City limits (Ref. San Diego County Municipal Code, Sec. 32.101). This includes prohibiting the possession and use of fireworks 1.4G (defined in CFC Ch 2), commonly referred to as, “Safe and Sane.”
9.	New requirement	§55.8701	<ul style="list-style-type: none"> Adoption of “<i>Appendix D – Fire Apparatus Access Roads</i>” codifies existing policy requirements.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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10.	Comply with State Law/ Editorial	§55.5201 through §55.9401	<ul style="list-style-type: none"> Sections were added for consistency with the 2013 California Fire Code. The model code chapters were significantly rearranged in this code cycle necessitating moving several chapters to match the 2013 CFC.
Construction Permit Authorities and Procedures			
<p>Construction Permit Authorities: The following amendments to the Municipal Code update the requirements for consistency with Ch 1 Part II of the California Building Code that is not adopted. The amendments also include editorial changes to make the regulations more clear and consistent.</p>			
11.	Comply with State Law/ Clarification		<p><u>Construction Permit Authorities</u></p> <ul style="list-style-type: none"> No changes proposed
<p>Building Permit Procedures, Electrical Permit Procedures, Plumbing/Mechanical Permit Procedures, Demolition/Removal Permit Procedures and Fire Permit Procedures: The following amendments to the Municipal Code update the requirements for consistency with Ch 1 Part II of the California Building Code, California Electrical Code, California Plumbing Code, California Mechanical Code, and California Residential Code that is not adopted by the City of San Diego. The amendments also include editorial changes to make the regulations more clear and consistent.</p>			

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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12.	Comply with State Law/ Clarification	§129.0203 §129.0205	<p><u>Building Permit Procedures</u></p> <ul style="list-style-type: none"> • Update building permit exemption # 2 to clarify that the exempted fence cannot support a superimposed load such as a glass panel. • Update building permit exemption # 4 for consistency with the California Building Code and the high piled combustible storage regulations in the California fire code. <ul style="list-style-type: none"> ○ Storage racks are included in the listing of fixtures. ○ The height limit was reduced to 5’ 9” for consistency with the code. The 6 ft limit had been changed during adoption of the 1994 UBC corridor requirements. The 6 ft height limit no longer appears in the current code. • Rules for deferred submittals updated to require that the deferred submittals be identified on the construction plans, requires review of deferred submittals by registered professional in responsible charge of the project.
13.	Comply with State Law/ Clarification	§129.0310	<ul style="list-style-type: none"> • Updated the electric permit utilization rules for consistency. Electrical permits can only be extended when associated with a building permit. • 129.0313 (g) is deleted because the requirement is not necessary and not reflective of current practice. Abandoned work is typically removed and replaced by a new contractor due to liability concerns. •

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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14.	Clarification	§129.0403	<p><u>Plumbing Permit Procedures</u></p> <ul style="list-style-type: none"> • Update the plumbing permit exception section for consistency with format of the building regulations. • Subsection (b) added to clarify that a permit exemption is not an exemption from requirements. <ul style="list-style-type: none"> ○ Item # 3 is added to make clear that simply replacing in kind a plumbing fixture does not require an inspection and therefore a plumbing permit. Alterations to a plumbing system necessary due to plumbing fixture replacement require an inspection and permit.
15.	Comply with State Law/ Clarification	§129.0105 §129.0404	<p><u>Mechanical Permit Procedures</u></p> <ul style="list-style-type: none"> • Relocate the Mechanical permit exemptions and relocated to Ch 12 Article 9 Division 4. Additionally delete duplication and redundancy. • 148.0105 (a) 1 and 2 deleted because mechanical work does not occur in the right of way and is generally not done by City forces. Item # 7 is redundant and was deleted.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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16.	Clarification	§129.0407 §129.0411	<p><u>Plumbing Permit Procedures</u></p> <ul style="list-style-type: none"> • Update requirements on how to apply for a plumbing and mechanical permit to address when plumbing/mechanical plans are not required. This action is for consistency with the California Plumbing Code and Mechanical Code Ch 1 Division II. • Update by adding to address when plumbing plans are not required. • Added a clarification to require complete plans sufficient to demonstrate code compliance based on the scope of work. • Requirements for plumbing and mechanical plans are published in the Project Submittal Manual. • Updated Section 129.0411 permit expiration rules to be consistent with the requirement that such permits can only be extended in conjunction with the extension of a building permit. Also makes clear that when the permit expires all work shall stop until a new permit has been obtained.
17.	Comply with State Law/ Clarification	§129.0503	<p><u>Demolition/Removal Permit Procedures</u></p> <ul style="list-style-type: none"> • Updates the exemptions for demolition and removal permits. • The change is necessary to clarify when a demolition permit is not required for minor structures. A clarification was added to require an inspection when electrical or gas or wet utilities are supplied to the building to be demolished and removed for the capping of the utilities to be inspected.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
18.	Comply with State Law/ Clarification	§129.0901 §129.0902 §129.0903 §129.0904 §129.0905 §129.0906 §129.0907 §129.0908 §129.0909	<p><u>Fire Permit Procedures</u></p> <ul style="list-style-type: none"> • Add a new Article 9 to Chapter 12 Article 9 to include rules for fire permits. Fire permits are issued to review and inspect the installation of fire alarm systems, fire sprinkler systems, fire underground and hood suppression systems. • This action is necessary since fire permits are stand alone permits similar to Plumbing, Mechanical, Electrical and Demolition/Removal permits. • Section 129.0902 explains when a fire permit is required. The Project Submittal Manual in the Land Development Manual already addresses this. • Section 129.0903 requires a fire permit prior to installation or alteration of fire alarm and fire sprinkler systems. Also addresses work done in the right of way. Authorizes fire protection plans to be submitted after issuance of a building permit in accordance with Section 129.0205 since fire sprinklers and fire alarm systems are required by the building code. • Section 129.0904 addresses the qualifications of who may apply for a fire permit. • Section 129.0905 clarifies the submittal documents that need to be included with the general application. • Section 129.0906 outlines when a fire permit is approved by the Building Official. Fire permits are reviewed and approved for compliance with standards referenced in the California Building code and California Fire code. • Section 129.0907 clarifies that a fire permit can<u>cannot</u> be issued prior to the filing for a building permit when a building permit is required. The building permit review determines whether or not a fire sprinkler system and fire alarm system are required and the type. • 129.0908 outlines the procedure for maintaining a fire permit and that such permits can only be extended in conjunction with the extension of a building permit. • Section 129.0909 references required inspections that are required by the Building Official. Required inspections are outlined on the inspection plan prepare when the fire permit approval is issued.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments

April 8, 2015 (Revised 5-15-15)

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<p>Construction Regulation Amendments: The following amendments are proposed to implement the technical standards in the 2013 edition of the CFC, CBC, CEC, CPC, CMC, CRC and the California Green Building Standards Code. Some of the regulations are necessary due to local climatic, topographic or geological conditions. New regulations are proposed as a result of stakeholder input or to clarify and implement uncorrelated codes such as the CRC, the CMC and the CBC.</p>			
<p>Noise Regulations</p>			
19.	Repeal / Obsolete	§59.5.0701	<ul style="list-style-type: none"> • Repeal redundant and out of date noise insulation requirements for sound transmission within certain buildings. • These requirements are now superseded by CBC Ch 12 and the mandatory non-residential requirements in the CGBSC.
<p>Sign Regulations</p>			
20.	Clarification/ Comply with State Law	§142.1210	<ul style="list-style-type: none"> • Update Section 142.1210 for consistency with recently adopted regulations in the CBC and CFC. • Section 142.1210 is updated for consistency with the Land Development Code. • Section 142.1210 (c) (4) is updated to reference new flammability and configurations for signs installed on exterior walls of high-rise buildings as defined in the California Building Code. High rise buildings are defined as buildings whose highest floor is more than 75 ft above the lowest level of fire department access.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
Building Regulations – Amendments to the 2013 California Building Code			
21.	Clarification/ Comply with State Law	§145.0101 §145.0102 §145.0103 §145.0104 §145.0105 §145.0106 §145.0107 §145.0108	<ul style="list-style-type: none"> • Adopts by reference the 2013 CBC. • All references to 2010 edition updated to reflect 2013 edition. • Will be updated to reflect additions and modifications and deletions as they apply.
22.	Clarification/ Comply with State Law	§145.0107	<ul style="list-style-type: none"> • Adopt Appendix L to require instrumentation in certain buildings within the scope of Appendix L of the CBC, typically tall and long period buildings. • The amendments to Appendix L applicable to the jurisdiction of the Office of Statewide Health and Development are not adopted. Very limited numbers of buildings are instrumented in San Diego. The proposed action is similar to that taken by the city of Los Angeles and the City and County of San Francisco that have enforced similar regulations for several code cycles. <p style="text-align: right;">Necessary due to local geological conditions</p>
23.	Repeal/ Redundant	§145. 0419	<ul style="list-style-type: none"> • Deletes a clarification on the applicability of the plumbing regulations due to various uses in live/work units. • Section 419.7 and 419.9 now address both accessibility and plumbing requirements in live/work units.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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24.	Clarification/ Comply with State Law	§145.0717	<p><u>Domestic Clothes Dryers Exhaust Ducts in Common Shaft</u></p> <ul style="list-style-type: none"> • Adds an amendment to Section 717.5.3 by modifying exception # 5 by adding a reference to proposed Mechanical Regulations that address utilization of common shafts in multi-story residential buildings that convey exhaust ducts from domestic clothe dryers from multiple units. • By not adopting the International Mechanical Code in conjunction with the International Building Code, the State did not address the omission from the Uniform Mechanical Code that is adopted by the State as the basis of the CMC. • This amendment is necessary for consistent code application. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>
25.	Clarification/ Comply with State Law	§145.0703	<ul style="list-style-type: none"> • Update Section §145.0703 (a) 2 to update the reference to the “Very High Fire Hazard Severity Zone Map – Local Responsibility Areas” adopted Section 55.9401 of the San Diego Municipal Code.
26.	Clarification/ Comply with State Law	§145.1201 §145.1203	<p><u>Attic Ventilation</u></p> <ul style="list-style-type: none"> • The attic ventilation requirements in the 2013 CBC were amended to include code changes successfully adopted into the 2012 International Building Code and as a consequence the amendment in Section 145.1203 is not necessary since it is reflected in exception # 3 in CBC Section 1203.3. • The proposed amendments in Section 145.1203 add subsection (a) to address construction necessary for attics not to be ventilated. • The regulations proposed were adopted into Section R806.5 of the CRC and omitted from the CBC. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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27.	Clarification/ Comply with State Law	145.1207	<p><u>Outdoor Noise</u></p> <ul style="list-style-type: none"> • Co-ordinates and cross references various outdoor noise requirements applicable to residential and non-residential construction. • Cross references the regulations in Calgreen applicable to non-residential construction and due to airport land use compatibility in Ch 13 Art 2 Div 15 of the LDC with CBC Ch 12 requirements.
28.	Clarification/ Comply with State Law	§145.1501	<p><u>Fire Classification Roof Mounted Solar PV</u></p> <ul style="list-style-type: none"> • Correlates recently revised State regulations for the fire classification of solar pv with the local regulations for fire classification of roof coverings. • The City of San Diego requires Class A roof assemblies Citywide, additional roof requirements applicable in the Very high Fire Hazard Severity Zone are published in CBC Ch 7A and CRC Section R327. • The SFM intends for the fire classification of integrated solar pv that is a substitute for a roof covering to comply with fire classification requirements for roof coverings. • Solar PV panels mounted on top of roofs may interfere with the fire performance of the roof covering below and as a result in the Very High Fire Hazard Severity Zone (VHFHSZ) the State Fire Marshal requires solar pv panels classified as Class A. • For roof mounted solar pv not in the VHFHSZ Table 1505.1 requires fire classification based on type of construction of the building below. The solar pv panels have to be listed and demonstrated to have been tested as mounted above the desired roof classification
29.	Clarification/ Comply with State Law	§145.1510	<ul style="list-style-type: none"> • Editorial correction to correct an erroneous reference. • No changes are proposed to the City roof covering requirements.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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30.	Clarification/ New Requirement	§145.1607	<p><u>Fire Truck and Emergency Vehicle Loads</u></p> <ul style="list-style-type: none"> • Modify Section 1607.7.2 # 1 to correlate the Section with Section 503.2.6 <u>Appendix Ch D</u> of the California Fire Code requirements for elevated fire apparatus access roads. • The Fire Rescue Department will be updating policy FPB A-08-1 “FIRE ACCESS ROADWAYS” to reference the loading in AASHTO HB-17 <u>Section D102.1 of CFC Appendix Ch D to require 75,000 lb loading</u> and will repeal the current requirement in the policy that requires the elevated roadway to support the imposed load of a minimum 95,000 pound vehicle load. • The Building Official has no special load requirements due to variability in current or future equipment and due to variability in mutual equipment and will follow the published code requirements. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>
31.	Clarification/ Regulatory Reform/ Comply with State Law	§145.1612 §143.0145	<p><u>Flood Hazards Map Refrence</u></p> <ul style="list-style-type: none"> • Adds 145.1612 to cross reference the flood hazard zones identified in Section §143.0145 of the LDC. • The CBC in Section 1612 addresses additional flood loads that need to be resisted when buildings are subjected to flood loads. Proposed subsection (a) (2) references addition construction requirements for buildings subject to floor hazards. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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32.	Repeal/ Redundant	§145.1613	<p><u>Importance Factor For Displacements Within Structures</u></p> <ul style="list-style-type: none"> • Repeal additional earthquake requirements that were added to the LDC since adoption of the 2007 CBC. • Section 12.8.7 and 13.3.2 of ASCE 7-10, the load standard adopted and referenced in Ch 16 of the CBC, now codifies the issues addressed in the LDC and as a result the additional requirements are no longer necessary and redundant.
33.	Repeal/ Redundant/ Editorial	§145.1803 §145.1805	<p><u>Geotechnical Regulations</u></p> <ul style="list-style-type: none"> • Repeal additional earthquake requirements that were added to the LDC since adoption of the 2010 CBC. • The regulation in Subsection (e) has been adopted into Section 1803.5.12 of the CBC and as a result the additional requirement is no longer necessary and redundant. • Update Section 145.1803 (g) to revise the code edition to 2013 and to revise the term “occupancy category” to “risk category”. This change is necessary for consistency with the 2013 CBC. • Add Section 145.1805 to clarify that permanent dewatering systems for foundation walls are prohibited and to cross reference the permissible drainage discharge requirements in the Plumbing Regulations and the City storm water regulations. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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34.	Repeal/ Redundant	§145.1908	<p><u>Anchorage of Wood/Metal Sill Plates to Concrete</u></p> <ul style="list-style-type: none"> • The concrete design requirements in ACI 318-11, an adopted standard for the design of concrete structures and adopted in the 2013 CBC, now includes regulations that are being repealed from the Municipal Code. • Section 145.1908 (a) adopted regulations for the design of anchor bolts attaching wood sills/tracks to concrete in light framed steel or wood construction. These requirements are now codified in CBC Section 1905.1.9 and as a result the additional requirement is no longer necessary and redundant.
Electrical Regulations - Amendments to the 2013 California Electrical Code			
35.	Clarification/ Comply with State Law	§146.0101 §146.0102 §146.0103 §146.0104 §146.0105	<ul style="list-style-type: none"> • Adopts the 2013 CEC. • Revises the name of the SDG&E publication to Electrical Service Standards & Guide in Section 146.0103 (b)

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
36.	Clarification/ Comply with State Law/ Repeal	§146.0202	<p><u>Moved Buildings</u></p> <ul style="list-style-type: none"> • Update Section 146.0202 (b) (1) for consistency with the 2013 CEC. • Relocated buildings are typically residential light framed wood buildings that may include wiring practices that predate current electrical regulations. Unless deemed substandard or a hazard, the construction of moved buildings enjoys previously conforming rights. New work has to comply with the prevailing code. • Section 146.0202 (b) is being revised to clarify existing receptacles do not need to be relocated simply because the code changed since the date of original construction and to require ungrounded outlets to comply with Section 406.4 (D) (2) addresses electrical receptacles in buildings without ground. It is not typical for relocated buildings to be rewired.
37.	Clarification/ Comply with State Law	§146.0106 §146.0107 §146.0208 §146.0209	<p><u>Electric Vehicle Charging</u></p> <ul style="list-style-type: none"> • Adopt Tentative Interim Agreements # TIA 11-2 and # TIA 11-3 that address electrical vehicle charging with cord and plug connected to receptacles and the rating of electrical supply equipment to address non-simultaneous charging. They have been codified in Section 625.44 and 625.41 of the 2014 NEC. • TIA’s are published by NFPA published of NFPA 70 the National Electrical Code. The State adopts the National Electrical Code as the basis for the California Electrical Code. TIA’s are approved Code changes that will be adopted into a future code edition after full balloting of the NFPA. These requirements will be in effect in the next edition of the CEC. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
Plumbing Regulations– Amendments to the 2013 California Plumbing Code			
38.	Clarification/ New Regulation	§147.0101 through §147.0107	<ul style="list-style-type: none"> • Adopts the 2013 CPC.
39.	Clarification/ New Regulation	§147.0108	<ul style="list-style-type: none"> • Add the new section to include requirements addressing applicability of the CPC regulations for new construction to existing buildings and plumbing systems. New plumbing fixtures may be required due to a new more intensive use. • Subsection (b) addresses relocated buildings • This section is intended to be used in conjunction with Section 121.0302 of the LDC that addresses many of the issues covered in CPC Ch 1 Div II that is not adopted by the City of San Diego.
40.	Clarification/Up date	§147.0206 §147.0212	<ul style="list-style-type: none"> • Update Section §147.0206 for under slab piping material to renumber the sections due to renumbering in the CPC. • Update Section §147.0212 for location of gas pressure regulators in buildings to renumber the sections due to renumbering in the CPC.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
41.	Clarification/ New Regulation	§147.0104 §147.0105 §147.0207 §147.0209 §147.0211	<p><u>Limitation on Use of PVC and ABS</u></p> <ul style="list-style-type: none"> • Proposes that the use of ABS or PVC piping for the drain waste and vent (DWV) piping in buildings three or more stories in height not be restricted when the building is protected with an automatic fire sprinkler system required by Section 903.3 of the CBC or CRC Section R313. • The material is not restricted in any non-residential building and is not restricted in jurisdictions not enforcing the California Plumbing Code. • Multi-story residential buildings are almost always constructed of fire resistance rated construction and penetration fire stop systems are required to protect penetrations based on the size and materials of the actual penetrating item. • The CPC allows unrestricted use of non-metallic piping for potable water distribution. Non-metallic DWV piping is permitted in any non-residential building within the jurisdiction of the City of San Diego regardless of the height and use. Additionally, non-metallic fire sprinkler piping is permitted regardless of building height. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>
42.	Clarification/ Comply with State Law	§147.0104 §147.0105 §147.0107 §147.0212 §147.0213 §147.0214	<p><u>Storm Water Piping</u></p> <ul style="list-style-type: none"> • Adopt amendments to CPC Ch 11 for consistency with Section 64.0512(b) (6) and Ch 4 Art 3 div 3 and Ch 14 Art 2 Div 2 of the Municipal Code. • The CPC permits storm water to discharge into a combined sewage disposal and storm water system. As a consequence Section 1101.1, 1101.5.1, 1104.3 and 1106.2 of the CPC are adopted with modifications and deletions and Section 1103.4 is not adopted. • The proposed code change codifies current practice. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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43.	Clarification/ Update	§147.0303 §147.0305	<p><u>Low Water Use Plumbing Fixtures</u></p> <ul style="list-style-type: none"> • Updates the LDC definitions for consistency with the 2013 CPC and Calgreen thresholds for low water use plumbing fixtures. • Civil code Sections 1101.1 through 1101.8 are not applicable in the city of San Diego since Ch 14 Article 7 Division 4 had been in effect prior to passage and the effective date. The proposed updates do not conflict with Section 147.0403 since the definitions therein are unique to that Division. Additionally plumbing fixtures available for sale in California will be more efficient than the minimum water efficiency required upon sale or transfer of a property.
44.	Clarification/ Update	§147.0106	<p><u>Appendix Chapters</u></p> <ul style="list-style-type: none"> • Updates the list of Appendix Chapters adopted and not adopted by the City of San Diego. • If a State agency adopts an appendix chapter and the local jurisdiction is the enforcing authority under State law, then the appendix will be applicable locally. • Only Appendix A, Appendix D, Appendix H, Appendix I and Appendix J are adopted

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
45.	<u>Clarification/</u> <u>New Regulation</u>	§147.0216	<p><u>Pre-plumbing for Gray Water Systems</u></p> <ul style="list-style-type: none"> • Adopt an amendment to Section 1601.1.2 of the CPC to reference the Calgreen trigger for installations in new residential buildings. • Applies only to new one and two family dwellings and townhouses that are within the scope of the CRC. • Will remove impediments to implementing gray water reuse systems after a building’s original construction. • Necessary due to local climatic conditions.
Mechanical Regulations - Amendments to the 2013 California Mechanical Code			
46.	Clarification/ Comply with State Law	148.0101 through §148.0107	<ul style="list-style-type: none"> • Adopts the 2013 CMC. • If a State agency adopts an appendix chapter and the local jurisdiction is the enforcing authority under State law, then the appendix will be applicable locally. • Section 148.0106 renumbered 148.105 due to the relocation of the requirements in existing Section 148.0105. • Appendix A was not adopted by any State agency so it will not be adopted. • Appendix D will not be adopted since most applications will require a registered design professional to design the venting.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
47.	Clarification/ Comply with State Law	§148.0106	<p><u>Applicability To Relocation And Change In Use</u></p> <ul style="list-style-type: none"> • Add the new Section 148.0106 to include requirements addressing applicability of the CMC regulations for new construction to existing buildings and plumbing systems. • This section is intended to be used in conjunction with Section 121.0302 of the LDC that addresses many of the issues covered in CPC Ch 1 Div II that is not adopted by the City of San Diego.

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

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48.	Clarification/ New Requirement	§148.0104 §148.0104 §148.0501 §148.0504	<p><u>Domestic Clothes Dryer Exhaust</u></p> <ul style="list-style-type: none"> • Adds an amendment to Section 504.3 of the CMC to add Section 504.3.3 to address the construction of common shafts used to exhaust multiple domestic dryer exhaust ducts from multiple stories and units. • Section 504.3.3 was adopted from IMC Section 504.8 with modifications to not adopt duplicative requirements. The requirement addresses cleanouts at the bottom of the shafts, the construction of fan blades so that they do not clog, continuous exhaust and standby power for omission of smoke dampers, etc. • By not adopting the International Mechanical Code in conjunction with the International Building Code, the State did not address the omission for the Uniform Mechanical Code that is the basis of the CMC. • This amendment is necessary for consistent code application. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>
Residential Building Regulations – Amendments to the 2013 California Residential Code			
49.	Comply with State Law/New Regulations/ Clarification	§149.0101 §149.0102 §149.0103 §149.0104 §149.0105 §149.0106 §149.0107 §149.0108	<ul style="list-style-type: none"> • Adopts by reference the 2013 CRC, California Code of Regulations Title 24, Part 2.5, as published by the California Building Standards Commission. • Identifies appendix Chapters and Section adopted, not adopted and where modifications or amendments are adopted. • Updates reference to Section 1.8.1 in Section 149.0101 that was changed from Section 1.1.2

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
50.	Editorial	§149.0202	<ul style="list-style-type: none"> • Corrects a typographical error in LDC in heading for live/work unit.
51.	Comply with State Law/ Clarification	§149.0302 Table 149.0302	<ul style="list-style-type: none"> • Updates the LDC with an inadvertent omission in the 2010 Code cycle were the applicable local design criteria necessary for application of the CRC were not adopted. • A crops reference is provided to the flood hazard information in Section § 143.0145 of the LDC. • Necessary due to local climatic and geological conditions.
52.	Repeal/ Redundant	§149.0317	<ul style="list-style-type: none"> • Repeal the clarification Section R317 since Section R317.3.1 now includes requirements for non-galvanized anchor bolts in contact with wood sills plates treated with borates.
53.	Clarification	§149.0322	<p><u>Flood Regulations</u></p> <ul style="list-style-type: none"> • Amends SectionR322.1 to reference Section §143.0145 and §143.0146 of the LDC. Additionally proposed LDC Table 149.0302 is referenced. • This code change is necessary to identify local flood hazard areas. <p style="text-align: center;">Necessary due to local climatic and topographic conditions</p>
54.	Re-number/ Editorial	§149.0332 §149.0333 §149.0334 §149.0335	<ul style="list-style-type: none"> • Re-number dues to renumber of Section in the CRC. • Renumbered Section 149.0335 is modified in subsection (a) to require compliance with drowning prevention safety requirements to artificially created ponds such as Koi ponds

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
55.	Repeal	§149.0602	<ul style="list-style-type: none"> • Repeal regulations limiting shear transfer connections at roofs to direct diaphragm connections rather than bearing on roof framing as permitted in the CRC. • The amendments were necessary due to a conflict with the requirement of Section R301.1 to provide a complete load path that meets all requirements for the transfer of all loads from point of origin through the load-resisting elements to the foundation. • Current practices have not changed and CRC changes will necessitate significant additional text in the LDC to continue implementing the limitation.
56.	Repeal / Redundant	§149.0806	<ul style="list-style-type: none"> • Unventilated attics are now permitted in the CRC Section R806. • The CRC includes construction requirements for unventilated attics.
57.	Clarification	§149.0902	<p><u>Fire Classification Solar PV</u></p> <ul style="list-style-type: none"> • Adds Section §149.0902 (c) and (d) to correlate with recently revised State regulations for the fire classification of solar pv with the local regulations for fire classification of roof coverings. • The City of San Diego requires Class roof assemblies Citywide, Additional roof requirements applicable in the Very high Fire Hazard Severity Zone are published in CRC Section R327. • The SFM intends for the fire classification of integrated solar pv that is a substitute for a roof covering to comply with fire classification requirements for roof coverings. • Solar PV panels mounted on top of roofs may interfere with the fire performance of the roof covering below and as a result in the Very High Fire Hazard Severity Zone (VHFHSZ) the State Fire Marshal requires solar pv panels classified as Class A. • For roof mounted solar pv not in the VHFHSZ, the City of San Diego proposes Table 145.1505 that requires fire classification based on type of construction of the building below. The solar pv panels have to be listed and demonstrated to have been tested above a class A roof assembly. <p style="text-align: right;">Necessary due to local climatic and topographic conditions</p>

Issue Matrix – 2013 California Building Standards Code Adoption/Amendments
April 8, 2015 (Revised 5-15-15)

No.	PURPOSE	CODE SECTION	AMENDMENT DESCRIPTION
Green Building Regulations - Amendments to the 2013 California Green Building Standards Code			
58.	Comply with State Law/New Regulations	§1410.0101 through §1410.0108	<ul style="list-style-type: none"> Adopts by reference the 2013 California Green Building Standards Code, California Code of Regulations Title 24, Part 11, as published by the California Building Standards Commission.
59.	Comply with State Law/Updates	§1410.0505	<ul style="list-style-type: none"> Re-number Sections in the amended Section due to Section renumbering in Calgreen
60.	Comply with State Law/Updates	§1410.0510	<ul style="list-style-type: none"> Re-number Sections in the amended Section due to Section renumbering in Calgreen
61.	<u>Comply with State Law/New Regulations</u>	§1410.0105 §1410.0107 §1410.0403	<p><u>Pre Plumbing for Gray Water</u></p> <ul style="list-style-type: none"> Adopt Section A4.305.1 in the Appendix A.4 Residential Voluntary Measures. Adopt an amendment to Section A4.305.1 to require that alternative plumbing piping be installed in new residential buildings under the scope of the CRC. Also references proposed amendment in Section 147.0216 for installation requirements in CPC Section 1601. <u>Will be heard by Board of Building appeals and Advisors on May 21</u> <p style="text-align: right;">Necessary due to local climatic conditions.</p>