



COMMUNITY DEVELOPMENT DEPARTMENT
Building Division
"Promoting and Sustaining Quality Development"

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December 15, 2010

California Building Standards Commission
2525 Natomas Park Drive, Suite 130
Sacramento, California 95833-2936

RE: LOCAL AMMENDMENTS OF THE 2010 CALIFORNIA CODES

On November 17, 2010, the City of Corona adopted Ordinance # 3059 (attached). This ordinance amended the following California Codes:

2010 California Building Code
2010 California Plumbing Code
2010 California Mechanical Code
2010 California Electrical Code
2010 California Fire Code
2010 California Residential Code
2010 California Energy Code
2010 California Green Building Code

I am submitting a copy of the local amendments for each code for filing with the California Building Standards Commission pursuant to Health and Safety Code section 17958.7.

If you have any questions regarding this matter, please contact me at the phone number shown above.

Richard Brooks
Building Official

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CALIFORNIA BUILDING STANDARDS COMMISSION
2010 DEC 17 PM 1:14

ORDINANCE NO. 3059

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CORONA, CALIFORNIA, AMENDING CHAPTERS 15.02, 15.04, 15.05, 15.08, 15.12, 15.20, 15.28, AND 15.70 AND ADDING CHAPTER 15.07 TO TITLE 15 OF THE CORONA MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2010 EDITION OF THE CALIFORNIA BUILDING STANDARDS CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24); INCLUDING THE 2010 CALIFORNIA BUILDING CODE, (INCORPORATING AND AMENDING THE 2009 INTERNATIONAL BUILDING CODE); THE 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE; THE 2010 CALIFORNIA RESIDENTIAL CODE, (INCORPORATING AND AMENDING THE 2009 INTERNATIONAL RESIDENTIAL CODE); THE 2010 CALIFORNIA MECHANICAL CODE (INCORPORATING AND AMENDING THE 2009 UNIFORM MECHANICAL CODE); THE 2010 CALIFORNIA FIRE CODE (INCORPORATING AND AMENDING THE 2009 INTERNATIONAL FIRE CODE) WITH ERRATA; THE 2010 CALIFORNIA PLUMBING CODE (INCORPORATING AND AMENDING THE 2009 UNIFORM PLUMBING CODE); AND THE 2010 CALIFORNIA ELECTRICAL CODE (INCORPORATING AND AMENDING THE 2008 NATIONAL ELECTRICAL CODE); TOGETHER WITH CERTAIN ADDITIONS, INSERTIONS, DELETIONS AND CHANGES THERETO; AND PROVIDING FOR PENALTIES FOR THE VIOLATION OF ANY PROVISIONS OF SUCH CODES.

WHEREAS, Government Code Section 50022, et seq. and California Health & Safety Code Section 17922 empower the City of Corona ("City") to adopt by reference the California Building Standards Code as provided in Title 24 of the California Code of Regulations; and

WHEREAS, in December of 2007 the City Council of the City adopted the 2007 California Building Standards Code with certain local amendments; and

WHEREAS, the California Building Standards Commission ("Commission") recently adopted new amendments to the California Building Standards Code; and

WHEREAS, California Health & Safety Code, Section 17958.5 and 18941.5 authorize cities and counties to modify the California Building Standards Code by adopting more restrictive standards and modifications if such standards and modifications are accompanied by express findings that they are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City Council of the City of Corona ("City Council") finds that these local climatic, geological or topographical conditions include, but are not limited to, the following:

1. The City is subject to relatively low amounts of precipitation, very low humidity levels and extremely high temperatures. These climatic conditions are conducive to the spread of drought conditions and fires. For example, during July, August and September, temperatures often exceed 100 degrees Fahrenheit. During the same months humidity is usually less than 40% and measurements of less than 10% are not uncommon. These recordings have been documented by the Riverside County Flood Control District and the National Climatic Data Center.

2. The City is subject to extremely strong north and northeast winds, commonly referred to as "Santa Ana Winds," which can reach speeds of up to 95 miles per hour. In addition, the convergence of the marine shore air flow and the desert air flow create steady winds on a daily basis. Finally, the City is bordered on the south and west by steep, rugged, brush-covered mountains and parts of the City contain hilly terrain and mounds, which either contribute to or create gusty wind conditions by causing a natural funneling effect and increasing wind speeds over the City.

3. The City is also subject to moderately strong shaking and surface ruptures from seismic activity in the area. The geologic and seismic setting of the City is dominated by the Chino and Elsinore earthquake faults along the southwest portion of the City and a diversity of bedrock and alluvial soils that may significantly affect the intensity of earthquake shaking. The Elsinore fault is located a short distance southwest of the City, while the Chino fault, which is subparallel to the Elsinore fault, is located just inside the City's southwestern boundary. Of the two faults, the Chino fault has the greater potential for surface rupture leading to structural damage of structures in the City. Moreover, the thin alluvial soils found in parts of the City contribute to a moderately high potential for liquefaction in certain areas.

WHEREAS, the aforementioned geologic and climatic conditions have also contributed to the loss or damage of 450 homes in the Bel Air Fire of 1961, 187 homes in the Chatsworth Fire of 1970, 50 homes in the Mandeville Canyon Fire of 1978, 262 homes in the Anaheim Fire of 1982, 71 homes in the Baldwin Hills Fire of 1985, 33 homes in the Porter Ranch Fire of 1988, 162 homes in the Santa Barbara Fire of 1990, 3,791 single/multiple family homes in the Oakland/Berkeley Fire of 1991, 3,362 homes in the Fire Siege of 2003, the Freeway Complex Fire that started in Corona on November 15, 2008 and burned 30,305 acres, destroyed 187 single/multiple family homes, damaged 127 homes, and damaged or destroyed

four commercial properties; and most recently the Station Fire of 2009 that burned 160,577 acres, destroyed 209 structures, including 89 homes; and

WHEREAS, these fires, as well as the Whittier Earthquake of 1987 and Northridge Earthquake of 1994, have resulted in the tragic loss of lives along with enormous property losses; and

WHEREAS, based upon the recommendations of the Building Official and Fire Marshal, the City Council finds that the proposed amendments to the 2010 California Building Standards Code ("amendments") are more restrictive than the standards adopted by the California Building Standards Commission, would decrease the potential incidence of property damage, injury and death due to fires and earthquakes, and are reasonable and necessary to mitigate the aforementioned local climatic, geologic or topographical conditions; and

1. The amendments to Sections 105.1 of Chapter 1 Division II of the California Building Standards Code (the "2010 California Building Code"), as set forth in Section 2 of this Ordinance, insure that structures such as fences, retaining walls and signs, that may become potentially dangerous structures in an earthquake or high winds, are constructed in accordance with applicable codes, ordinances and standards; and
2. The amendment to Section 105.6 of Chapter 1 Division II of the 2010 California Building Code, as set forth in Section 2 of this Ordinance, preserves public health, safety and welfare by limiting construction noise and mitigating the effects of having portions of the City's residential areas constructed on hilly terrain. Many times it is not possible to construct noise barriers between noise sources and noise receptors in hilly areas. Under such circumstances, the "line of sight" between the noise source and the receiver cannot be adequately impeded by other structures such as fences and walls because such structures cannot be constructed on certain lots due to the grade differential between lots; and
3. The addition of Section 105.8 to Chapter 1 Division II of the 2010 California Building Code, as set forth in Section 2 of this Ordinance, is needed to assure that each permit is applicable to the location and conditions for which it was originally obtained; and
4. The amendments to Section 110.3.3.1 and 110.3.7.1 of the 2010 California Building Code, as set forth in Section 3 of this Ordinance, adding additional required inspections, including a sub-frame inspection, a roof sheathing and shear inspection and a plaster inspection assure that all construction and use of buildings conforms to the requirements of the California Building Standards Code in so that maximum protection from the wind, fire and earthquake conditions is provided; and
5. The amendments to the Section 3109.2, 3109.4.1.8 and the addition of Section 3109.4.1.10 to the 2010 California Building Code, as set forth in Section 3 of this Ordinance, are required to ensure pool safety and decrease the likelihood of injuries and death due to unauthorized use of pools and the greater use of outdoor swimming pools due to climatic conditions; and

6. The amendment to Section 705.11.1 of the 2010 California Building Code, as set forth in Section 3 of this Ordinance, provides for easier access to buildings for firefighters in the event of a fires caused by local climatic conditions, by lowering the allowable height requirement for parapet walls; and

7. The addition of Section 903.6 to the 2010 California Building Code as set forth in Section 3 of this Ordinance provides for adequate access to all portions of fire sprinkler systems requiring maintenance so that maximum protection from fires is provided; and

8. The addition of Section 1505.1.5 to the 2010 California Building Code as set forth in Section 3 of this Ordinance and the additions of sections R902.1.5 and R907.7 to the 2010 Residential Code as set forth in Section 5 of this Ordinance requires Class "A" roofing which is effective against severe fire exposure, is not readily flammable, affords a fairly high degree of fire protection to roof decks, does not slip from position, and poses no flying-brand hazard, and is therefore more fire resistant than other classes of roofing not possessing these characteristics and adopted for use by the Commission; including the amendments to Sections R313.3.1.1 and R319.1 to limit the exception of fire sprinklers in attics and the illumination of address numbers during all hours of darkness to assist in meeting assigned response time; and

9. The amendments to the 2010 California Fire Code, as set forth in Section 7 of this Ordinance, including the amendments adding definitions to Section 202; the amendment to Section 109.2.2, 109.3 and 109.3.2. imposing additional costs against persons responsible for violations of the code; the amendments to Sections 503.2.1, 503.2.4, 505.1, 507.5.1, 507.5.5 and 603.6 imposing additional requirements for premises identification, fire access roads, turning radii, clearance around hydrants and other fire apparatus and chimney spark arrestors; amendments to Section 903.3.1.1.1 limiting the exceptions to the installation of automatic fire sprinkler systems; amendments to Section 903.4, 904.3.5, 907.4.1 and 910.3.2.2 made to ensure the proper operation and response of fire sprinklers and help limit loss of life and water damage; and amendments to the 2010 California Building Code, as set forth in Section 3 of this Ordinance, including amendments to Sections 705.11.1, 903.3.1.1.1, 903.4, 903.6, 904.3.5 and 910.3.2.2 are needed to minimize the risk of fire which is increased by the climatic and geological conditions in the City of Corona, described above in this Ordinance, and to mitigate the spread of fire especially during high wind conditions described above in this Ordinance; and

10. The addition of Section 705 to the 2010 California Fire Code requiring one-hour fire construction for all eaves, as set forth in Section 7 of this Ordinance, is reasonably necessary to mitigate the potential for the spread of fires from flying brands, ashes and sparks during high wind conditions and mitigate potential property damage, injury and death; and

11. The amendments to the 2010 California Fire Code, as set forth in Section 7 of this Ordinance, including the amendments to Sections 3404.1.1, 3404.1.2, 3704.2.2.7 and 3804.2 relating to the storage of flammable and combustible liquids in aboveground tanks and the storage of liquefied petroleum and natural gas; and the additions to the Corona Municipal Code requiring permits for the storage of flammable liquids and explosives are needed to further

ensure the safety of persons and property surrounding dangerous and hazardous activities and to mitigate the potential for accidents and the spread of fire in sensitive areas of the city, especially hilly terrain; and

12. The amendment to Section 315.3 of the 2010 California Plumbing Code, as set forth in Section 8 of this Ordinance, prohibiting unattended excavations without appropriate barricades is needed to assure that excavations for sewer or sewage disposal facilities do not create a hazard for persons, especially during periods of wind, rain or surface movements caused by earthquakes; and

WHEREAS, the Fire Marshal and Building Official have also recommended that changes and modifications be made to the California Building Standards Code, which are necessary for administrative clarification and to establish administrative standards for the effective enforcement of the building standards of the City of Corona, or are reasonably necessary to safeguard life and property within the City and do not modify a building standard pursuant to California Health & Safety Code Section 17958, 17958.7, and/or 18941.5, which amendments consist of:

1. Amendments to Chapter 1 Division II of the 2010 California Building Code; and
2. Amendments to Chapter 1, Sections 102.10, 104.2, 105.6, 109.2.2 109.3, 109.3.2, 202, Chapter 4, Sections 507.5.5, 510, 510.1, 510.1.1, 510.1.2, 510.1.3, 510.4, 510.5, 510.5.1 510.6, 510.7, 510.8, 604.2.15.1.1, 604.2.15.2.1, 606.8, 606.10.1.2, 608.1, 608.10, 610, 2308.3, 2701.5.2, 2703.1, 2703.1.1(1), 3308.2, 3404.1.1, 3404.1.2, 3704.2.2.7, 3804.2, Chapter 44 of the 2010 Residential Code, Chapter 47, Appendix B and Appendix C of the 2010 California Fire Code; and

WHEREAS, the City Council finds that the local amendments to the 2010 California Building Standards Code ("Code") described herein are supported by the local climatic, geologic and/or topographic conditions described herein, and further finds that the remainder of the said changes and modifications are of an administrative or procedural nature, or concern themselves with subjects not covered by the Code, or are reasonably necessary to safeguard life and property within the City of Corona; and

WHEREAS, on November 17, 2010, the City Council held a duly noticed public hearing at which all persons wishing to testify in connection with the adoption of the 2010 California Building Standards Code and local amendments were heard and the Ordinance was comprehensively reviewed; and

WHEREAS, any and all other legal prerequisites relating to the adoption of this Ordinance have occurred.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF CORONA, CALIFORNIA, DOES ORDAIN AS FOLLOWS:

Section 1. The City Council hereby adopts the recitals contained in this ordinance as findings to support the modifications to the 2010 California Building Standards Code made herein.

Section 2. Chapter 15.02 of the Corona Municipal Code is hereby amended to read as follows:

**"CHAPTER 15.02
ADMINISTRATIVE PROVISIONS FOR TITLE 15**

Sections:

15.02.010	Title
15.02.020	Code adoption.
15.02.030	Amendments – Generally.
15.02.040	Amendment – Section 101.2 -Scope
15.02.050	Amendment – Section 101.4 –Referenced Codes
15.02.060	Addition – Section 104.11 –Alternative Materials
15.02.070	Amendment – Section 105.1.1 –Permits Required
15.02.080	Amendment – Section 105.1.2 –Drainage fees
15.02.090	Amendment – Section 105.2 –Exempt work
15.02.100	Amendment – Section 105.3.2 –Time Limit
15.02.110	Amendment – Section 105.5 –Expiration / Renewal
15.02.120	Amendment – Section 105.6 – Suspension / Revocation
15.02.130	Amendment – Section 105.7 – Placement of permit
15.02.140	Addition – Section 105.8 - Transferability
15.02.150	Amendment – Section 109.4 – Investigation Fee
15.02.160	Amendment – Section 109.6 - Refunds
15.02.170	Addition – Section 110.3.3.1 and 110.3.7.1- Inspections
15.02.180	Addition – Section 110.7 - Reinspection
15.02.190	Amendment – Section 111.2 – Certificate of Occupancy
15.02.200	Violation – Penalty

15.02.010 Title.

This chapter shall be cited as the Administrative Provisions to Title 15 of the Corona Municipal Code and shall apply to all of the referenced and adopted codes in Title 15, unless otherwise provided.

15.02.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2010 California Building Code, Chapter 1 Division II are hereby adopted.

(B) One certified copy of the 2010 California Building Code Chapter 1 Division II shall be kept on file in the office of the City Clerk, and any and all references thereto are adopted as the Administrative Provisions to the codes adopted in Title 15 of the Corona Municipal Code for the City of Corona, unless otherwise provided, and subject to the changes contained in this chapter.

(C) Each and all of the regulations, provisions, penalties, conditions, and terms thereof are referred to, adopted, and made a part of this chapter as though fully set forth at length.

15.02.030 Amendments – Generally.

Designated sections of the 2010 California Building Code, Chapter 1 Division II are amended to read as set forth in Sections 15.02.040 through 15.02.200.

15.02.040 Amendment – Section 101.2 Scope. -delete Exception

Section 101.2 is amended to delete the Exception set forth in said section in its entirety.

15.02.050 Amendment – Section 101.4 Referenced codes

Section 101.4 is amended in its entirety to read as follows:

101.4 Referenced codes. The other codes listed in section 101.4.1 through 101.4.9 and referenced elsewhere in this code shall be considered part of the requirements of this code.

101.4.1 The 2010 California Building Code as adopted and amended by Chapter 15.04.

101.4.2 The 2010 California Green Building Code as adopted and amended by Chapter 15.05.

101.4.3 The Housing Code as adopted and amended by Chapter 15.06.

101.4.4 The 2010 California Residential Code as adopted and amended by Chapter 15.07

101.4.5 The 2010 California Mechanical Code as adopted and amended by Chapter 15.08.

101.4.6 The 2010 California Fire Code as adopted and amended by Chapter 15.12.

101.4.7 The 2010 California Plumbing Code as adopted and amended by Chapter 15.20

101.4.8 The 2010 California Electrical Code as adopted and amended by Chapter 15.28

101.4.9 The 2010 California Energy Code as adopted by the State of California

15.02.060 Addition – Section 104.11 Alternative materials, design and methods of construction and equipment.

Section 104.11 is amended by adding the following subsection 104.11.5 thereto as follows:

“104.11.5 Application for request to use alternative materials, design or methods of construction and equipment. Requests for the use of alternative materials, design or methods of construction or equipment must be made on the City of Corona application form and an application fee must be paid at the time of request submittal. Applications shall be specific to a project address and approval for a specific project shall not constitute approval for use at any other locations.”

15.02.070 Amendment – Section 105.1.1.

Section 105.1.1 is amended in its entirety to read as follows:

“105.1.1 Permits Required. No person, firm or corporation shall erect, re-erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish any building or other structure in the city, without obtaining a valid building permit prior to commencement of any work. A Building permit is also required for the following specified items:

1. Retaining walls over two feet in height (measured from the top of the footing) and walls of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth. Retaining walls are required for any unsupported excavation with vertical banks more than two feet high or unsupported excavations of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth.
2. Fence or fences over three feet in height constructed or made of any material including, but not limited to, wood, plastic, metal, chain link, wrought iron, masonry, block, brick or stone.
3. A Building permit is also required for any sign which requires a Planning Division sign permit as specified in Chapter 17.74 of this code, except signs painted directly onto an existing building, or sign structure or sign board or the refacing of a previously approved sign canister with Plexiglas, flexible sign face or similar material provided no structural changes are made to the sign structure or canister.

4. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.080 Amendment – Section 105.1.2.

Section 105.1.2 is amended in its entirety to read as follows:

“105.1.2 Storm Drainage Fee. “No building permit shall be issued to any person for construction of any building or structure until the person has paid a storm water drainage fee of which the amount and time and payment thereof shall be established by Resolution of the City Council and any amendments thereto, unless the construction as proposed is exempt from said fee by the provisions of said resolution or a variance has been granted from the payment of said fee or any portion thereof in accordance with procedures provided in said resolution or any amendments thereto. Notwithstanding the foregoing, from March 7, 2008 through June 30, 2011, a building permit may be issued prior to payment of a storm water drainage fee for a building or structure, but a certificate of occupancy for such building or structure may not be issued until all required fees have been paid.”

15.02.090 Amendment – Section 105.2.

Section 105.2 is amended in its entirety to read as follows:

“Work Exempt from Permit. Exemptions from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of this code or any other laws or ordinances of this jurisdiction. A building permit shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet.
2. Fences not over three (3) feet high.
3. Oil derricks.
4. Retaining walls that are not over two (2) feet in height measured from the top of the footing to the top of the wall, unless supporting a surcharge or any superimposed load other than the natural fill of level earth or impounding Class I, II, or IIIA liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons and the ratio of height to diameter or width does not exceed 2 to 1.
6. Platforms, walks and driveways not more than 30 inches above adjacent grade, and not over any basement or story below and are not part of an accessible route.

7. Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pool accessory to a Group R-3 Occupancy that are less than 24 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family dwellings.
12. In Group R-3 and U occupancies, window awnings that do not project more than 54 inches from the exterior wall, when supported by an exterior wall and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches in height.
14. Residential decks not exceeding 200 square feet in area, with a walking surface that is not more than 30" above grade at any point, is not attached to a dwelling and does not serve as a required path of egress or required path of accessibility. Decks located in a front yard setback will require approval from the Planning Division of the City of Corona.

Electrical:

1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.
2. Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.
3. Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.
4. The requirements and exemptions in Article 89 of the 2010 California Electrical Code, including those set forth in sections 89.101.3.3 and 89.108.4.1, shall also apply to work, regardless of whether it is exempt from a permit.

Gas:

1. Portable heating appliances
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self contained refrigeration system containing 10 pounds or less of refrigerant and actuated by motors of 1 horsepower or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Grading:

1. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.100 Amendment – Section 105.3.2.

Section 105.3.2 is amended as to read as follows:

“**105.3.2 Time limitation of application.** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time, for additional periods not exceeding 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.”

15.02.110 Amendment – Section 105.5.

Section 105.5 is amended to read as follows:

“105.5 Expiration and Renewal. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one extension of time, for a period not more than 180 days. The extension shall be requested in writing and justifiable cause demonstrated.

Renewal: Extensions will only be granted prior to the expiration of a permit. When a permit has expired, work can not be recommenced prior to obtaining a new permit. Requests to renew an expired permit shall be submitted to the Building Official, in writing, demonstrating justifiable cause and subject to the approval of the Building Official. If approved by the Building Official the fee shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work and provided further that the suspension or abandonment has not exceeded one year. To renew a permit after more than a year of suspension or abandonment the permittee shall pay a new full permit fee.”

15.02.120 Amendment – Section 105.6.

Section 105.6 is amended by adding the following paragraph to the end of the section to read as follows:

“The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if construction noise is generated between the hours of 8:00 p.m. and 7:00 a.m., Monday through Saturday and 6:00 p.m. to 10:00 a.m. on Sundays and Federal Holidays. Construction noise is defined as noise which is disturbing, excessive, or offensive and constitutes a nuisance involving discomfort or annoyance to persons of normal sensitivity residing in the area, which is generated by the use of any tools, machinery or equipment used in connection with construction operations.

The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if dust is generated in excess of local, state or federal standards or conditions of project approval.”

15.02.130 Amendment – Section 105.7.

Section 105.7 is amended by adding the following to the end of the section to read as follows:

“The required permits and approved plans shall be maintained in good condition and be posted or otherwise made available such as to allow the building official to conveniently make the required entries regarding the inspection of work.”

15.02.140 Addition – Section 105.8.

Section 105 is amended by adding the following new subsection thereto to read as follows:

“105.8 Transferability. No permit issued pursuant to Title 15 of the Corona Municipal Code shall be transferable to any other person or apply to any location other than that stated in the permit.”

15.02.150 Amendment – Section 109.4.

Section 109.4 is amended by adding the following paragraphs to the end of the section to read as follows:

“Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.

An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be determined by the currently adopted fee schedule and shall not be less than the actual costs as determined by the Building Official.”

15.02.160 Amendment – Section 109.6.

Section 109.6 is amended to read as follows:

“109.6 Refunds. The Building Official may authorize refunding of any fee paid hereunder which was erroneously paid or collected.

The Building Official may authorize refunding of not more than 80 percent of the permit inspection fee paid when no work has been started under a permit issued in accordance with this code.

The Building Official may authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee is paid is withdrawn or canceled before any plan reviewing is started.

The Building Official shall not authorize refunding of any fee paid except on a written request for refund submitted by the original applicant or original permittee not later than 180 days after the date of the fee payment.”

15.02.170 Addition – Sections 110.3.3.1 and 110.3.7.1.

Section 110.3 is amended by adding the following new subsections thereto to read as follows:

“110.3.3.1. Roof Sheathing and Shear Inspection. Roof sheathing and shear inspections shall be performed after roof sheathing and all structural shear panels or walls are in place and secured by nailing or other approved methods.

110.3.7.1. Plaster Inspection. Plaster inspections shall be performed after the application of the scratch coat.”

15.02.180 Addition – Section 110.7.

Section 110 is amended by adding new subsection 110.7 thereto as follows:

“110.7 Reinspections. A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when corrections previously called for are not made. The amount of the fee shall be the minimum building inspection fee as set forth in the fee schedule adopted by the City Council.

This section is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection.

Reinspection fees may be assessed when the inspection record permit card is not posted or otherwise available on the work site, the approved plans are not readily available the inspector, for failure to provide access on the date for which the inspection is requested, or for deviating from the plans requiring the approval of the building official.

To obtain a reinspection, the applicant shall pay the reinspection fee as set forth in the fee schedule adopted by the City Council.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

Chapter 1.14 of the Corona Municipal Code shall also apply to Title 15.”

15.02.190 Amendment – Section 111.2.

Section 111.2 is amended in its entirety to read as follows:

“111.2 Certificate issued. A Certificate of Occupancy shall not be issued until all applicable fees have been paid to the City of Corona. After the building official inspects the building or structure and finds no violation of the provisions of this code or other laws that are enforced by the City of Corona, the building official shall issue a “Certificate of Occupancy” that contains the following:

1. The building permit number.
2. The address of the structure.
3. The name and address of the owner.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.

6. The name of the building official.
7. The edition of the code under which the permit was issued.
8. The use, occupancy group and division, in accordance with the provisions of Chapter 3 of the Building Code.
9. The type of construction as defined in Chapter 6 of the Building Code.
10. The design occupant load.
11. If an automatic sprinkler system is provided, whether the sprinkler system is required.
12. Any special stipulations and conditions of the building permit.”

15.02.200 Violation – Penalty.

(A) No person, firm, partnership, association or corporation shall violate any provisions of this chapter and any provisions of the codes, rules or regulations adopted in this Title 15 of the Corona Municipal Code.

(B) Any person, firm, partnership, association or corporation violating any of the provisions adopted in this title by reference, shall be guilty of an infraction, except where otherwise provided in this Title 15. Any person violating a stop work order issued pursuant to the 2010 California Building Code, Chapter 1 Division II Section 115.3, shall be guilty of a misdemeanor. Any person who continues to occupy or any person who enters a structure which has been posted “unsafe” by the Building Official pursuant to the 2010 California Building Code, Chapter 1 Division II Section 116 or Corona Municipal Code Chapter 15.56 shall be guilty of a misdemeanor.

(C) Every person, firm, association or corporation violating any of the provisions of this chapter or provisions of the codes, rules or regulations adopted in this chapter by reference is guilty of a separate offense for each day or portion thereof during which the violation continues and shall be punishable thereof as provided in Chapter 15.70 of this code.

(D) It is unlawful for any person, firm, partnership, corporation, association or joint venture, either as owner, architect, contractor, artisan or otherwise, to do or to cause or permit to be done any work, as described in the California Building Standards Code as adopted by reference in this Title 15 in such a manner that such work does not conform to all the provisions of this Title 15 and the provisions of said California Building Standards Code, as so adopted by reference.”

Section 3. Chapter 15.04 of the Corona Municipal Code is hereby amended and restated in its entirety to read as follows:

**"CHAPTER 15.04
BUILDING CODE**

Sections:

15.04.010	Title
15.04.020	Code adoption
15.04.030	Administration – Generally
15.04.040	Amendments – Generally
15.04.050	Amendment – Chapter I Division II
15.04.060	Amendment – Section 705.11.1-Parapet walls
15.04.070	Amendment- Section 903.3.1.1.1.-Exempt locations
15.04.080	Amendment- Section 903.4-Sprinkler system supervision and alarms
15.04.090	Addition – Section 903.6-Access
15.04.100	Amendment-Section 904.3.5-Monitoring
15.04.110	Amendment – Section 910.3.2.2-Sprinklered Buildings
15.04.120	Addition – Section 1505- Roof coverings
15.04.130	Amendment – Section 3109.2. Definitions
15.04.140	Amendment – Section 3109.4.1.8. Dwelling wall as barrier.
15.04.150	Addition – Section 3109.4. Residential swimming pools
15.04.160	Violation – Penalty

15.04.010 Title.

This chapter shall be cited as the Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Building Standards Code, or other building code, refers and applies to this chapter.

15.04.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2010 California Building Code, Volumes 1 and 2, including Appendix I, are hereby adopted as the Building Code of the City of Corona.

(B) Chapter 1 Division II as adopted and amended in Chapter 15.02 of the Corona Municipal Code.

(C) Appendices A, B, C, D, E, F, G, H, J and K are not adopted.

(D) Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.

(E) One certified copy of the 2010 California Building Code shall be kept on file in the office of the City Clerk of the City of Corona, and any and all references thereto, are adopted as the Building Code of the City of Corona, subject to the changes contained in

this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.04.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.04.040 Amendments – Generally.

Designated sections of the 2010 California Building Code are amended to read as set forth in Sections 15.04.040 through 15.04.150

15.04.050 Amendment – Chapter I Division II is adopted as amended in Corona Municipal Code Chapter 15.02.

15.04.060 Amendment – Section 705.11.1.

Section 705.11.1 is amended by adding the following to the end of the section to read as follows:

“Parapet walls shall not exceed a height of four feet above the adjacent roof level, unless approved by the Corona Fire Department.”

15.04.070 Amendment – Section 903.3.1.1.1.

Section 903.3.1.1.1 is amended to read as follows:

“903.3.1.1.1 Exempt locations. In other than Group I-2, I-2.1 and I-3 occupancies, automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance-rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.
3. Fire service access elevator machine rooms and machinery spaces.
4. When approved by the fire code official, spaces or areas in telecommunications buildings used for telecommunications equipment, and associated electrical power distribution equipment, provided those spaces or areas are equipped throughout with an automatic smoke detection

system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour fire barriers constructed in accordance with Section 707 or not less than 2-hour horizontal assemblies constructed in accordance with 712, or both.”

15.04.080 Amendment – Section 903.4 Sprinkler system supervision and alarms

“Section 903.4 is amended to read as follows:

903.4 Sprinkler system supervision and alarms. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures, and water-flow switches on all sprinkler systems shall be electrically supervised.

Exceptions:

1. Automatic sprinkler systems protecting one- and two-family dwellings.
2. Limited area systems serving fewer than 20 sprinklers.
3. Jockey pump control valves that are sealed or locked in the open position.
4. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
5. Trim valves to pressure switches in dry, preaction and deluge sprinkler systems that are sealed or locked in the open position.”

15.04.090 Addition – Section 903.6.

Section 903 is amended by adding new subsection 903.6 to read as follows:

“**903.6 Access.** Access shall be provided to all portions of a fire sprinkler system which would require maintenance, including concealed spaces. Required access in concealed spaces shall be accomplished by means of a catwalk not less than 12 inches in width, or other means approved by the fire code official.”

15.04.100 Amendment – Section 904.3.5 Monitoring.

Section 904.3.5 is amended to read as follows:

“**904.3.5 Monitoring.** Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.”

15.04.110 Amendment – Section 910.3.2.2.

Section 910.3.2.2 is amended to read as follows:

“**910.3.2.2 Sprinklered buildings.** Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically by actuation of a heat-responsive device rated at least 100° F above the operating temperature of the sprinkler.”

15.04.120 Addition – Section 1505.

Section 1505 is amended by adding new subsection 1505.1.5 thereto as follows:

“1505.1.5 Class A roof covering requirement. Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2010 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.
3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.04.130 Amendment – Section 3109.2. Definitions

Section 3109.2 is amended by adding the following definition:

“LAKE. A body of water, including but not limited to a pond that is natural or manmade, which has a sloping grade below the surface of the water originating at the shore line, not exceeding a grade of one vertical to four horizontal.”

15.04.140 Amendment – Section 3109.4.1.8. Dwelling wall as barrier.

Section 3109.4.1.8 is amended by adding the following subsection 4 to read as follows:

“4. Where a wall of an attached or detached garage, as an accessory use to a residential occupancy, in a Group U occupancy serves as part of the barrier and contains man-door openings between the garage and the outdoor swimming pool that provide direct access to the pool, such door openings shall be self-closing and self-latching.”

15.04.150 Addition – Section 3109.4. Residential swimming pools

Section 3109.4 is amended by adding the new subsection 3109.4.1.10 to read as follows:

“3109.4.1.10 Existing pools. The legal use of a swimming pool existing before the effective date of this chapter may continue, provided that the swimming pool is provided with an adequate barrier, as reasonably determined by the Building Official consistent with this chapter, and provided that the swimming pool, and/or the use thereof, does not create a safety hazard.”

15.04.160 Violation- Penalty.

The violation and penalties for Chapter 15.04 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

Section 4. Chapter 15.05 of Title 15 of the Corona Municipal Code is hereby amended to read as follows:

**"Chapter 15.05
GREEN BUILDING CODE**

Section:

15.05.010	Title
15.05.020	Code Adoption
15.05.030	Administration-Generally
15.05.040	Violation – Penalty

15.05.010 Title.

This chapter shall be cited as the Green Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Green Building Standards Code, Cal Green or other green building code, refers and applies to this chapter.

15.05.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2010 California Green Building Standards Code, Chapters 1 through Chapter 8, not including the appendices, are hereby adopted as the Green Building Code of the City of Corona.

(B) The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to Chapter 15.05.

(C) Appendices A4 and A5 are not adopted as part of this code.

(D) One certified copy of the 2010 California Green Building Standards Code shall be kept on file in the office of the City Clerk of the City of Corona, and any and all references thereto, are adopted as the Green Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.05.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.05.040 Violation- Penalty.

The violation and penalties for Chapter 15.05 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

Section 5. Chapter 15.07 of the Corona Municipal Code is hereby added to read as follows:

**"Chapter 15.07
RESIDENTIAL CODE**

Section:

15.07.010	Title
15.07.020	Code Adoption
15.07.030	Administration
15.07.040	Amendments – Generally
15.07.050	Amendment - Section R 313.3.1.1 Automatic Fire Sprinkler Systems
15.07.060	Amendment - Section R 319-Site Address
15.07.070	Addition - Section R902.1.5 - Roof covering materials
15.07.080	Addition- Section R907.7 -Reroofing
15.07.090	Amendment-Chapter 44 Referenced Standards
15.07.100	Violation – Penalty

15.07.010 Title.

This chapter shall be cited as the Residential Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Residential Code, or other residential code, refers and applies to this chapter.

15.07.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2010 California Residential Code, including appendix H, is hereby adopted as the Residential Code of the City of Corona.

(B) Chapter 1 Division II is not adopted.

(C) Appendices A, B, C, D, E, F, G, I, J, K, L, M, N, O, P, Q and R are not adopted as part of this code.

(D) One certified copy of the 2010 California Residential Code shall be kept on file in the office of the City Clerk of the City of Corona, and any and all references thereto, are adopted as the Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.07.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.07.040 Amendments – Generally.

Designated sections of the 2010 California Residential Code are amended to read as set forth in Sections 15.07.040 through 15.04.090.

15.07.050 Amendment - Section R313.3.1.1 Automatic Fire Sprinkler Systems

Section R313.3.1.1 is amended to read as follows:

“R313.3.1.1 Required sprinkler locations. Sprinklers shall be installed to protect all areas of a *dwelling unit*.

Exceptions:

1. Attics shall be protected by quick-response intermediate temperature heads installed with a spacing of 400 sf (20' x 20') per head.
2. Crawl spaces and normally unoccupied concealed spaces that do not contain fuel-fired appliances do not require sprinklers. In crawl spaces, and normally unoccupied concealed spaces that contain fuel-fired equipment, a sprinkler shall be installed above the equipment; however, sprinklers shall not be required in the remainder of the space.
3. Clothes closets, linen closets and pantries not exceeding 24 square feet (2.2 m²) in area, with the smallest dimension not greater than 3 feet (915mm) and having wall and ceiling surfaces of gypsum board.
4. Bathrooms not more than 55 square feet (5.1 m²) in area.
5. Detached garages; carports with no habitable space above; open attached porches; unheated entry areas, such as mud rooms, that are adjacent to an exterior door; and similar areas.”

15.07.060-Amendment - Section R319 Site Address

“Section R319.1 Address numbers is amended to read as follows:

R319.1 Address numbers. Buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall

be a minimum of 4 inches (102mm) high with a minimum stroke width of ½ inch (12.7mm). Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address numbers shall be illuminated during all hours of darkness. Location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official.”

15.07.070 Addition – Section R902.1.5

Section R902.1 is amended by adding new subsection R902.1.5 to read as follows:

“**R902.1.5 Class A roof covering requirement.** Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2010 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.
3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.07.080 Addition – Section R907.7

Section R907 is amended by adding new subsection R907.7 to read as follows:

“**R907.7 Class A roof covering requirement.** Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2010 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.
3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.07.090-Amendment- Chapter 44 Referenced Standards

Chapter 44 – Referenced Standards is adopted in its entirety with the following amendments:

NFPA 13D 2010 Edition Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.5 is hereby added as follows:

4.1.5 Stock of Spare Sprinklers

Section 4.1.5.1 is hereby added as follows:

4.1.5.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

Section 4.1.5.2 is hereby added as follows:

4.1.5.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

Section 4.1.5.3 is hereby added as follows:

4.1.5.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

Section 4.1.5.4 is amended to read as follows:

4.1.5.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 7.1.2 is amended to read as follows:

7.1.2 The system piping shall not have a separate control valve unless supervised by a central station, proprietary or remote station alarm service.

Section 7.3 Pressure Gauges is amended to read as follows:

7.3 At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby deleted and replaced as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for exterior service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally operating appliances in the residence.

Exception:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When smoke detectors specified in CBC 310.9 are used to sound an alarm upon waterflow switch activation.

Section 8.6.5.1 Attics is hereby revised to read as follows:

8.6.5.1 Attics shall be protected by quick-response intermediate temperature heads installed with a spacing of 400 sf (20' x 20') per head.

15.07.100 Violation- Penalty.

The violation and penalties for Chapter 15.07 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

Section 6. Chapter 15.08 of Title 15 of the Corona Municipal Code is hereby amended to read as follows:

**"Chapter 15.08
MECHANICAL CODE**

Section:

15.08.010	Title
15.08.020	Code Adoption
15.08.030	Administration
15.08.040	Amendments – Generally
15.08.050	Violation – Penalty

15.08.010 Title.

This chapter shall be cited as the Mechanical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Mechanical Code, or other mechanical code, refers and applies to this chapter.

15.08.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2010 California Mechanical Code, not including the appendices, are hereby adopted as the Mechanical Code of the City of Corona.

- (1) Chapter 1 Division II -Administration is not adopted as part of this code
- (2) Appendices A, B, C and D are not adopted as part of this code.

(B) One certified copy of the 2010 California Mechanical Code is on file in the office of the City Clerk, and any and all references thereto, are adopted as the Mechanical Code of the City of Corona, and each and all the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.08.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.08.050 Violation – Penalty.

The violation and penalties for Chapter 15.08 shall be as adopted in Chapter 15.02 of the Corona Municipal Code.”

SECTION 7. Chapter 15.12 of Title 15 of Corona Municipal Code is hereby amended and restated in its entirety to read as follows:

**"CHAPTER 15.12
FIRE CODE**

Sections:

- 15.12.010 Title.**
- 15.12.020 Code Adoption**
- 15.12.030 [Reserved]**
- 15.12.040 Amendments – Generally**
- 15.12.050 Amendment – Section 102.10-Conflicting Provisions**
- 15.12.060 Amendment – Section 104.2- Applications and permits**
- 15.12.070 Amendment – Section 105.6-Required operational permits**
- 15.12.080 Addition – Sections 109.2.2.1 - Infraction and 109.2.2.2 - Misdemeanor**
- 15.12.090 Amendment – Section 109.3- Violation penalties**
- 15.12.100 Addition – Section 109.3.2-Violation penalties**
- 15.12.110 Amendment – Section 202-Definitions**
- 15.12.120 Amendment – Chapter 4-Emergency Planning and Preparedness.**
- 15.12.130 Amendment – Section 503.2.1-Dimensions.**
- 15.12.140 Amendment – Section 503.2.4-Turning radius**
- 15.12.150 Amendment – Section 505.1- Address identification**
- 15.12.160 Amendment – Section 507.5.1-Hydrant locations**
- 15.12.170 Amendment – Section 507.5.5-Clear space around hydrants**

- 15.12.180 Amendment–Sections - 510, 510.1, 510.1.1, 510.1.2, 510.1.3, 510.4, 510.5, 510.5.1, 510.6, 510.7 & 510.8 Emergency responder radio coverage
- 15.12.190 Addition – Section 603.6.6 – Sparks from Chimneys
- 15.12.200 Amendment – Section 604.2.15.1.1 –Standby power loads
- 15.12.210 Amendment – Section 604.2.15.2.1 Emergency Power Loads.
- 15.12.220 Amendment – Section 606.8 Refrigerant detector.
- 15.12.230 Amendment – Section 606.10.1.2 Manual operation.
- 15.12.240 Amendment – Section 608.1 Scope.
- 15.12.250 Amendment – Section 608.10 Indoor charging of electric carts/cars.
- 15.12.260 Amendment – Section 610- Photovoltaic Systems.
- 15.12.270 Addition – Section 705- Eaves.
- 15.12.280 Amendment – Section 903.3.1.1.1 Exempt locations.
- 15.12.290 Amendment – Section 903.4 Sprinkler system supervision and alarms.
- 15.12.300 Amendment – Section 904.3.5 Monitoring.
- 15.12.310 Amendment – Section 907.4.1 Duct Smoke Detectors.
- 15.12.320 Amendment – Section 910.3.2.2 Sprinklered buildings.
- 15.12.330 Amendment – Section 2308.3 Flue spaces.
- 15.12.340 Amendment – Section 2701.5.2.1 Chemical Classification Packet
- 15.12.350 Amendment – Table 2703.1.1(1) Maximum allowable quantities.
- 15.12.360 Amendment – Section 2703.1.1 Extremely Hazardous Substances.
- 15.12.370 Addition – Section 3308.2 Firing.
- 15.12.380 Addition – Section 3404.1.1 General Provisions for Flammable and Combustible Liquid Storage in Larger Aboveground Tanks.
- 15.12.390 Addition – Section 3404.1.2 General Provisions for Flammable and Combustible Liquid Storage in Smaller Aboveground Tanks.
- 15.12.400 Amendment – Section 3704.2.2.7 Treatment systems.
- 15.12.410 Amendment – Section 3804.2 Liquefied Petroleum and Natural Gas Systems.
- 15.12.420 Amendment – Chapter 47 Reference Standards.
- 15.12.430 Amendment – Section B105.1 of Appendix B One- and two-family dwellings.
- 15.12.440 Amendment – Section B105.2 of Appendix B Buildings other than one and two-family dwellings.
- 15.12.450 Amendment – Table B105.1 of Appendix B Minimum required fire flow and flow duration for buildings.
- 15.12.460 Amendment – Table C105.1 of Appendix C Distribution of fire hydrants.
- 15.12.470 Violation Penalty

15.12.010 Title.

This chapter shall be cited as the Fire Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Fire Code, or other fire code, refers and applies to this chapter.

15.12.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2010 California Fire Code, and that certain document being marked and designated as the 2009 International Fire Code, with errata, and including the following appendices, are hereby adopted as the Fire Code for the City of Corona:

- (1) Appendix Chapter 4
- (2) Appendices B, C, E, F, G & J

(B) One certified copy of each of the 2010 California Fire Code and 2009 International Fire Code are on file in the office of the City Clerk, and any and all references thereto, are adopted as the Fire Code and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.12.030 [Reserved].

15.12.040 Amendments--Generally.

Designated sections of the California Fire Code are amended to read as set forth in sections 15.12.050 through 15.12.460.

15.12.050 Amendment – Section 102.10 Conflicting provisions.

Section 102.10 is hereby amended in its entirety to read as follows:

“Section 102.10 Conflicting Provisions. Where there is a conflict between a general requirement and a specific requirement, the fire code official shall decide which requirement meets the general intent of this code.”

15.12.060 Amendment – Section 104.2 Applications and permits.

Section 104.2 is amended, and subsection 104.2.1 is added to read as follows:

“104.2 Applications and Permits. The fire code official is authorized to receive applications, review construction documents, and issue permits for construction regulated by this code, issue permits for operations regulated by this code, inspect the premises for which such permits have been issued and enforce compliance with provisions of this code.

104.2.1 Plan Review Fees. When it is determined by the fire code official that plans submitted require a full plan review and such plans are received independent of the architectural plans, a fee shall be collected. The fee shall be based on 100% of the cost of service, based on the fee schedule adopted by the City Council.”

15.12.070 Amendment – Section 105.6 Required operational permits.

Section 105.6 is amended by deleting subsections 105.6.15 and 105.6.35 and amending Section 105.6.29 to read as follows:

“105.6.29 Miscellaneous combustible storage. A permit is required to store in any building or upon any premise in excess of 2500 cu. ft. gross volume of combustible empty packing cases, boxes, barrels or similar containers, rubber tires, rubber, cork, composting, green waste or similar combustible material.”

15.12.080 Addition – Sections 109.2.2.1 Infraction and 109.2.2.2 Misdemeanor.

Section 109.2.2 is hereby amended by adding subsections 109.2.2.1, Infraction, and 109.2.2.2, Misdemeanor, as follows:

“109.2.2.1 Infraction. Except as provided in Section 109.2.2.2, persons operating or maintaining any occupancy, premises or vehicle subject to this code that shall permit any fire or life safety hazard to exist on premises under their control shall be guilty of an infraction.

109.2.2.2 Misdemeanor. Persons who fail to take immediate action to abate a fire or life safety hazard when ordered or notified to do so by the fire code official or a duly authorized representative, or who violate the following sections of this code, shall be guilty of a misdemeanor:

109.2.2 Compliance with Orders, Notices and Tags

107.6 Overcrowding

104.11.2 Obstructing operations

104.11.3 Systems and Devices

111.4 Failure to Comply

305.4 Deliberate or negligent burning

308.1.2 Throwing or placing sources of ignition

310.7 Burning Objects

2404.7 Open or exposed flame

15.12.090 Amendment – Section 109.3 Violation penalties.

Section 109.3 is amended in its entirety to read as follows:

“Section 109.3 Violation Penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of either a misdemeanor, infraction or both as prescribed in Section 109.2.2.1 and 109.2.2.2. Each

day that a violation continues after due notice has been served shall be deemed a separate offense.”

15.12.100 Addition – Section 109.3.2 Violation penalties.

Section 109.3 is amended by adding subsection 109.3.2 to read as follows:

“**Section 109.3.2** “In addition to any other penalties or provisions for restitution that may be provided for by the law, the expense of securing any emergency which is a result of a violation of this code or any other code, ordinance or State law, is a charge against the person whose violation caused the emergency. Expenses incurred for securing such emergency shall constitute a debt of such person and is collectible by the code official in the same manner as in the case of an obligation under contract, expressed or implied.”

15.12.110 Amendment – Section 202. Definitions.

Section 202 Definitions is amended by adding thereto the following definitions:

“**All Weather Driving Surface.** An all weather driving surface is a concrete or asphalt covering over base material and a roadbed compacted to ninety-five percent, and of sufficient thickness to support heavy fire apparatus (approximately 70,000 gross vehicle weight) with a grade of no more than ten percent (10%) and a minimum width of twenty-eight (28) feet, unless approval for a lesser amount is obtained from the Fire code official”

“**Fuel Modification.** Is the permanent altering of natural vegetation in such a manner as to reduce the potential spread of wildfire through or across the modified area. All fuel modification requires the approval of the Fire code official before commencement.”

15.12.120 Amendment - Chapter 4 Emergency Planning and Preparedness

The following sections in Chapter 4 Emergency Planning and Preparedness are hereby adopted and all other sections in Chapter 4 are not adopted as part of this code:

1. Section 401 General
2. Section 402 Definitions
3. Section 403 Public Assemblages and Events
4. Section 407 Hazard Communication

15.12.130 Amendment – Section 503.2.1 Dimensions

Section 503.2.1 is amended to read as follows:

“**503.2.1 Dimensions.** Fire apparatus access roads shall have an unobstructed width of not less than 28 feet (85344mm) exclusive of shoulders, except for approved security gates in

accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet (4572mm).

Exception: Vertical clearance may be reduced, provided such reduction does not impair access by fire apparatus and approved signs are installed and maintained indicating the established vertical clearance approved by the fire code official.”

15.12.140 Amendment – Section 503.2.4 Turning radius

Section 503.2.4 is amended to read as follows:

“503.2.4 Turning Radius. The required turning radius of a fire apparatus access road shall be 25 feet (7620 mm) inside radius and 50 feet (15,240 mm) outside radius on all turns in the fire apparatus access road, unless otherwise approved by the fire code official.”

15.12.150 Amendment – Section 505.1 Address identification.

Section 505.1 is amended to read as follows:

“505.1 Address identification. New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background, and shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.”

15.12.160 Amendment – Section 507.5.1 Hydrant locations

Section 507.5.1 is hereby amended to read as follows:

“507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than allowed in Appendix C – “Fire Hydrant Locations and Distribution” from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site hydrants and mains shall be provided where required by the fire code official.”

Exceptions:

1. Group R-3 and U occupancies, equipped throughout with an approved automatic sprinkler system installed in accordance with CFC 903.3.1.1 or CFC 903.3.1.2 or CFC 903.3.1.3, the distance requirements shall not be more than 300 feet (91.5 m), unless otherwise approved by the fire code official.”

15.12.170 Amendment – Section 507.5.5 Clear space around hydrants.

Section 507.5.5 is hereby amended to read as follows:

“507.5.5 Clear space around hydrants. A 3-foot (914 mm) clear space shall be maintained around the circumference of fire hydrants, fire department connections, fire protection system control valves, or any other fire protection system component that may require immediate access, except as otherwise required or approved.”

15.12.180 Amendment & Addition – Sections 510, 510.1, 510.1.1, 510.1.2, 510.1.3, 510.4, 510.5, 510.5.1, 510.6, 510.7, 510.8 Emergency Responder Radio Coverage

Sections 510, 510.4 510.5, 510.6, 510.7, 510.8 are hereby amended to read as follows:

“Section 510 Emergency Responder Radio Coverage

510.1 Emergency Responder Radio Coverage. All buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.

Exceptions:

1. Where approved by the building official and the fire code official, a wired communication system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained in lieu of an approved radio coverage system.
2. Where it is determined by the fire code official that the radio coverage system is not needed.

510.1.1 Use and Occupancy. Except as otherwise provided, no person shall own, erect, construct or occupy, any building or structure, or any part thereof, or cause the same to be done, which fails to support adequate radio coverage for City emergency services workers operating on the City of Corona Emergency Communication System. Further, owners must maintain a reasonable standard of reliable radio communication within their buildings and structures once a Certificate of Occupancy is issued.

510.1.2 Exemptions: This chapter shall not apply to the following:

1. Elevators

510.1.3 Noncompliance: After discovery of noncompliance, the building owner is provided six months to remedy the deficiency and gain compliance, unless otherwise approved by the fire code official.

510.4 Amplification systems allowed. Buildings and structures which cannot support the required level of radio coverage shall be equipped with any of the following in order to achieve adequate coverage:

1. A radiating cable system; or

2. An internal multiple antenna system with FCC type accepted bi-directional amplifiers as needed.

3. If any part of the installed system or systems contains an electrically powered component, the system shall be capable of operating on an independent battery and/or generator system for a period of at least twelve (12) hours without an external power input. The battery system shall automatically charge in the presence of an external power input. Signal boosters shall be housed in NEMA Type-4 enclosures, with batteries housed in NEMA Type-4 waterproof enclosures.

4. All active in-building coverage devices shall be FCC Part 90 Type Certified.

5. UL listing is required for any AC power supplies.

510.5 Acceptance test procedure. When an in-building radio system is required, and upon completion of installation, the radio system shall be tested to ensure that two-way coverage on each floor of the building is a minimum of ninety-five (95) percent. The test procedure shall be approved by the fire code official and shall be consistent with minimum City of Corona communication system standards, including, but not limited to, frequency range, minimum signal strength., amplification, power supplies, and delivered audio quality.

510.5.1 Delivered Audio Quality. The subjective performance criteria for Delivered Audio Quality are defined below; delivered audio quality shall be measured in both directions, including transmitter to repeater and repeater to transmitter with equivalent performance characteristics.

DAQ Delivered Audio Quality	Subjective Performance Description
1	Unusable, speech present but unreadable.
2	Understandable with considerable effort. Frequent repetition due to noise/distortion.
3	Speech understandable with slight effort. Occasional repetition required due to noise/distortion.
3.5	Speech understandable with repetition only rarely required. Some noise/distortion.
4	Speech easily understood. Occasional noise/distortion.
4.5	Speech easily understood. Infrequent noise/distortion.
5	Speech easily understood.

510.6 Annual Tests. When an in-building radio system is required, the building owner shall test all active components of the system, including but not limited to amplifiers, power supplies and backup batteries, a minimum of once every 12 months. The test procedure shall be approved by the fire code official and shall be consistent with minimum City of Corona communication system standards.

510.7 Five-Year Tests. In addition to the annual test, the building owner shall perform a radio coverage test a minimum of once every 5 years to ensure that radio system continues to meet the requirements of the original acceptance test. The test shall include, but not be limited to, frequency range, minimum signal strength, amplification and delivered audio quality. Where deficiencies are noted, an action plan with timelines shall be presented to the fire code official for approval.”

510.8 Qualifications for System Design, Installation, and Testing. The system designer, installer and/or technician performing testing on the system shall be equipment manufacturer’s certified value-added-retailer (VAR), or the system shall be designed and certified by a CA registered professional electrical engineer.”

15.12.190 Addition – Section 603.6.6 Sparks from Chimneys.

Section 603.6 is hereby amended by adding a new subsection 603.6.6 thereto as follows:

“**603.6.6 Sparks from Chimneys.** Chimneys used with fireplaces or heating appliances in which solid or liquid fuel is used shall be maintained with a spark arrestor as specified by Section 2802 of the California Building Code and the California Mechanical Code.”

15.12.200 Amendment – Section 604.2.15.1.1 Standby power loads.

Section 604.2.15.1.1 is amended to read as follows:

“**Section 604.2.15.1.1 Standby Power Loads.** The following loads are classified as standby power loads:

1. Smoke control system
2. Fire pumps
3. Standby power shall be provided for elevators in accordance with Section 3003 of the California Building Code.”

15.12.210 Amendment – Section 604.2.15.2.1 Emergency power loads.

Section 604.2.15.2.1 is amended to read as follows:

“**604.2.15.2.1 Emergency Power Loads.** The following loads are classified as emergency power loads:

1. Emergency voice/alarm communication systems.
2. Fire alarm systems.
3. Automatic fire detection systems.
4. Elevator car lighting.

5. Means of egress lighting and exit sign illumination as required by Chapter 10.
6. Ventilation and automatic fire detection equipment for smokeproof enclosures.”

15.12.220 Amendment – Section 606.8 Refrigerant detector.

Section 606.8 is hereby amended to read as follows:

“**606.8 Refrigerant detector.** Machinery rooms shall contain a refrigerant detector with an audible and visual alarm. The detector, or a sampling tube that draws air to the detector, shall be located in an area where refrigerant from a leak will concentrate. The alarm shall be actuated at a value not greater than the corresponding TLV-TWA values shown in the California Mechanical Code for the refrigerant classification. Detectors and alarms shall be placed in approved locations. In addition, emergency shutoff shall also be automatically activated when the concentration of refrigerant vapor exceeds 25 percent of LFL. The detector shall transmit a signal to an approved location.”

15.12.230 Amendment – Section 606.10.1.2 Manual operation.

Section 606.10.1.2 Manual operation is amended to read as follows:

“**606.10.1.2 Manual operation.** When required by the Fire code official, automatic crossover valves shall be capable of manual operation. The manual valves shall be located in an approved location immediately outside of the machinery room, in a secure metal box or equivalent and marked as Emergency Controls.”

15.12.240 Amendment – Section 608.1 Scope.

Section 608.1 is hereby amended to read as follows:

“**608.1 Scope.** Stationary storage battery systems having an electrolyte capacity of more than 50 gallons (189 L) for flooded lead acid, nickel-cadmium (NiCd) and valve-regulated lead acid (VRLA), or 1,000 pounds (454 kg) for lithium-ion and lithium metal polymer, used for facility standby power, emergency power, uninterrupted power supplies, shall comply with this section and Table 608.1. Indoor charging of electric carts/cars shall comply with Section 608.10.”

15.12.250 Addition – Section 608.10 Indoor charging of electric carts/cars.

Section 608 is amended by adding a new subsection to read as follows:

“**608.10 Indoor charging of electric carts/cars.** Indoor charging of electric carts/cars where the combined volume of all carts/cars battery electrolyte exceeds 50 gallons shall comply with the following:

1. Spill control and neutralization shall be provided and comply with Section 608.5,

2. Room ventilation shall be provided and comply with Section 608.6.1,
3. Signage shall be provided and comply with Section 608.7,
4. Smoke detection shall be provided and comply with Section 907.2.”

15.12.260 Addition – 610 Photovoltaic Systems

Section 610 is added to read as follows:

“Section 610 Photovoltaic Systems

Section 610.1 Photovoltaic systems shall comply with the Corona Fire Department Solar Photovoltaic Installation Guideline.”

15.12.270 Addition – Section 705 Eave Protection.

Section 705 is hereby added to read as follows:

“Section 705 Eave Protection

705.1 Where required. Buildings or structures constructed hereafter within two-hundred feet of high-hazard, undeveloped forest-covered, brush-covered, or grass-covered land shall have eaves or overhangs thereon protected by one-hour construction, or otherwise protected so as to prevent the lodging underneath of flying brands, ashes or sparks. The Fire code official shall determine high hazard lands hereunder.”

15.12.280 Amendment – Section 903.3.1.1.1 Exempt locations.

Section 903.3.1.1.1 is hereby amended to read as follows:

“903.3.1.1.1 Exempt locations. In other than Group I-2, I-2.1 and I-3 occupancies, automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.
3. Fire service access elevator machine rooms and machinery spaces.
4. When approved by the fire code official, spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, and associated electrical power distribution equipment, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by fire barriers

constructed in accordance with Section 707 of the CBC or not less than 2-hour horizontal assemblies constructed in accordance with Section 712 of the CBC, or both.”

15.12.290 Amendment – 903.4 Sprinkler system supervision and alarms.

Section 903.4 is hereby amended to read as follows:

“903.4 Sprinkler system supervision and alarms. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures, and water-flow switches on all sprinkler systems shall be electrically supervised.

Exceptions:

1. Automatic sprinkler systems protecting one- and two-family dwellings.
2. Limited area systems serving fewer than 20 sprinklers.
3. Jockey pump control valves that are sealed or locked in the open position.
4. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
5. Trim valves to pressure switches in dry, preaction and deluge sprinkler systems that are sealed or locked in the open position.”

15.12.300 Amendment – Section 904.3.5 Monitoring.

Section 904.3.5 is amended to read as follows:

“904.3.5 Monitoring. Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.”

15.12.310 Amendment – Section 907.4.1 Duct smoke detectors.

Section 907.4.1 is amended to read as follows:

“907.4.1 Duct Smoke Detectors. Smoke detectors installed in ducts shall be listed for air velocity, temperature and humidity present in the duct. Duct smoke detectors shall be connected to the building’s fire alarm control unit when a fire alarm system is installed. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location and shall perform the intended fire safety function in accordance with this code and the California Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exception:

1. In occupancies not required to be equipped with a fire alarm system, actuation of a smoke detector shall activate a visible and audible signal in an approved location. Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.”

15.12.320 Amendment – Section 910.3.2.2 Sprinklered buildings.

Section 910.3.2.2 is amended to read as follows:

“910.3.2.2 Sprinklered buildings. Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically by actuation of a heat-responsive device rated at least 100° F above the operating temperature of the sprinkler.”

15.12.330 Amendment – Section 2308.8 Flue spaces.

Section 2308.3 is amended to read as follows:

“2308.3 Flue Spaces. Flue spaces shall be provided in accordance with Table 2308.3. Required flue spaces shall be maintained. In double-row racks a pallet/commodity stop shall be provided along the longitudinal flue space at each level. The stop shall be steel or other ferrous material 1/4" thick and in the mounted position shall extend a minimum of 4 inches above the shelf or cross member, or other method approved by the fire code official. In double row racks and where products are hand stacked, chain link shall be securely attached to the rear of both racks. Chain link shall be a minimum of 12 gauge. Attachment method shall be approved by the fire code official.”

15.12.340 Addition– Section 2701.5.2.1 Chemical Classification Packet.

Section 2701.5.2 is amended by adding the following subsection to read as follows:

“2701.5.2.1 Chemical Classification Packet. When required by the fire code official, a Chemical Classification Packet shall be completed and approved prior to approval of architectural and system plans, and/or the storage, use or handling of chemicals on the premises. The Chemical Classification packet shall meet the format requirements contained in the Corona Fire Department Chemical Classification Guideline.”

15.12.350 Amendment – Table 2703.1.1(1) Maximum allowable quantities

Footnote p of Table 2703.1.1.1 is amended by adding the following:

5. Acetylene not exceeding 1500 c.f. in a sprinklered building when used for welding and hot works.

15.12.360 Addition – Section 2703.1.1.1 Extremely Hazardous Substances.

Section 2703.1.1 is amended by adding thereto the following subsection to read as follows:

‘2703.1.1.1 Extremely Hazardous Substances. No person shall use or store any amount of extremely hazardous substances (EHS) in excess of the disclosable amounts (see Health and Safety Code Section 25500 et al) in a residential zoned or any residentially developed property.”

15.12.370 Addition – Section 3308.2 Firing.

Section 3308.2 is added to Chapter 33 to read as follows:

“Section 3308.2 – Firing. All fireworks displays shall be electronically fired.”

15.12.380 Addition – Section 3404.1.1 General Provisions for Flammable and Combustible Liquid Storage in Larger Aboveground Tanks.

Section 3404.1 is amended by adding thereto the following subsection to read as follows:

“3404.1.1 General Provisions for Flammable and Combustible Liquid Storage in Larger Aboveground Tanks. Stationary aboveground tanks outside of buildings shall be in accordance with Section 3404.1 and 3404.2. In addition, the storage of flammable and combustible liquids outside of a building in aboveground storage facilities, including tanks which have a capacity exceeding six hundred sixty gallons, shall be prohibited in all zones of the City as such zones are defined in Title 17 of this Code, except in general manufacturing (M-2) zone, heavy manufacturing (M-3) zone and other zones as approved by the fire code official upon proof of compliance with the California Fire Code, submittal of plans, approval, and issuance of a permit by the Fire Prevention Division.

Upon receipt of written application for permit to store flammable or combustible liquids, the fire prevention division shall review the plans for the proposed location of the storage facilities. If it makes a finding that such facilities would not constitute a danger to the public peace, health and general welfare of the city, it may issue such permit subject to said facilities meeting minimum code requirements and may attach reasonable conditions to the permit for the safety of person and property immediately surrounding the location.”

15.12.390 Addition – Section 3404.1.2 General Provisions for Flammable and Combustible Liquid Storage in Smaller Aboveground Tanks.

Section 3404.1 is amended by adding thereto the following subsection to read as follows:

“Section 3404.1.2 General Provisions for Flammable and Combustible Liquid Storage in Smaller Aboveground Tanks. Storage of flammable and combustible liquids in closed containers and portable tanks outside of buildings shall be in accordance with Sections 3404.1 and 3404.2. [See also Section 3404.3 for capacity limits for containers and portable tanks.] Storage of flammable and combustible liquids outside a building in above ground storage facilities including tanks which have a capacity of six hundred sixty gallons or less, may be located in all zones of the City, as defined and delineated in Title 17 of this Code, only if approved by the fire code official and a permit for the location has been issued by the fire prevention division upon written application thereof.”

Upon receipt of written application for permit to store flammable or combustible liquids, the fire prevention division shall review the plans for the proposed location of the storage facilities. If it makes a finding that such facilities would not constitute a danger to the public peace, health,

safety and general welfare of the City, it may issue such permit subject to said facilities meeting minimum code requirements.”

15.12.400 Amendment – Section 3704.2.2.7 Treatment Systems.

Section 3704.2.2.7 is amended by deleting Exceptions 1, 1.1, 1.2 and 1.3; modifying Exception 2 and renumbering it as Exception 1 to read as follows:

“1. Toxic gases – storage/use. Treatment systems are not required for toxic gases supplied by cylinders or portable tanks not exceeding 1,700 pounds water capacity when the following are provided:

- 1.1 A listed or approved gas detection system with a sensing interval not exceeding 5 minutes.
- 1.2 For storage, valve outlets are equipped with gas-tight outlet plugs or caps.
- 1.3 For use, a listed or approved automatic-closing fail-safe valve located immediately adjacent to cylinder or portable tank valves. The fail-safe valve shall close when gas is detected at the permissible exposure limit (PEL) by a gas detection system monitoring the exhaust at the point of discharge from the gas cabinet, exhausted enclosure, ventilated enclosure or gas room. The gas detection system shall comply with Section 3704.2.2.10.”

15.12.410 Amendment –3804.2 Liquefied Petroleum and Natural Gas Storage.

Section 3804.2 is amended to read as follows:

“3804.2 Liquefied Petroleum and Natural Gas Storage. Storage of liquefied petroleum gas and natural gas in storage facilities and equipment having a storage capacity of two thousand gallons of water or less shall be permitted in any zone of the city as defined in Title 17 of this Code, if approved by the fire code official and a permit for the location has been issued by the fire prevention division upon written application thereof.

Storage of liquefied petroleum gas and natural gas in storage facilities and equipment having a capacity of two thousand and one gallons of water or more is permitted only in the M-2 and M-3 zones, as defined in Title 17 of this code, if approved by the fire code official and a permit for such storage has been issued by the fire prevention division upon written application thereof.

Upon receipt of a written application for a permit to store liquefied petroleum gas or natural gas, the fire prevention division shall review the plans for the proposed location of the subject storage facilities. If it makes a finding that such facilities would not constitute a danger to the public peace, health, safety and general welfare of the city, it may issue a permit subject immediately surrounding the location.”

15.12.420 Amendment – Chapter 47 Reference Standards

The sections of Chapter 47 – Referenced Standards designated below are amended to read as follows:

“NFPA 13, 2010 Edition, Installation of Sprinkler Systems is hereby amended as follows:

Section 6.8.3 is hereby amended to read as follows:

6.8.3 Fire Department connections (FDC) shall be of an approved type. The FDC shall contain a minimum of two 2 ½” inlets. The location shall be approved and be no more than 150’ from a public hydrant. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires 500 gpm (including inside hose stream demand) or greater, or a standpipe system is included, four 2 ½” inlets shall be provided. The FDC may be located within 150’ of a private hydrant when approved by the fire code official.

Section 8.3.3.1 is hereby amended to read as follows:

8.3.3.1 When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (Group S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in 3.6.4.7
- (2) Residential sprinklers in accordance with the requirements of 8.4.5
- (3) Standard-response sprinklers used for modifications of additions to existing light hazard systems equipped with standard-response sprinklers
- (4) Standard-response sprinklers used where individual standard-response sprinklers are replaced in existing light hazard systems

Section 8.17.2.4.6 is hereby amended to read as follows:

8.17.2.4.6 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section 11.1.1.2 is hereby amended by adding the following:

- 11.1.1.2** When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler design density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(d) curve "G". Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13R 2010 Edition Installation of Sprinkler System in Residential Occupancies up to and including Four Stories in Height is hereby amended as follows:

Section 6.6.6 is hereby added to read as follows:

- 6.6.6** Sprinklers shall not be required in penthouse equipment rooms, elevator machine rooms, concealed spaced dedicated exclusively to containing only dwelling unit ventilation equipment, crawl spaces, floor/ceiling spaces, noncombustible elevator shafts where the elevator cars comply with ANSI A17.1, Safety Code for Elevators and Escalators, and other concealed spaces that are not use or intended for living purposes or storage and do not contain fuel fired equipment.

Section 6.6.9 is hereby added to read as follows:

- 6.6.9** Sprinklers shall not be required in attics that are not located over dwelling units. When attics are separated by unit, each unit's attic space may be protected per NFPA 13D Section 8.6.4.2. All other attics shall be protected per NFPA 13.

NFPA 13D 2010 Edition Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.5 is hereby added to read as follows:

4.1.5 Stock of Spare Sprinklers

Section 4.1.5.1 is hereby added to read as follows:

- 4.1.5.1** A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

Section 4.1.5.2 is hereby added to read as follows:

4.1.5.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

Section 4.1.5.3 is hereby added to read as follows:

4.1.5.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

Section 4.1.5.4 is amended to read as follows:

4.1.5.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 7.1.2 is amended to read as follows:

7.1.2 The system piping shall not have a separate control valve unless supervised by a central station, proprietary or remote station alarm service.

Section 7.3 Pressure Gauges is amended to read as follows:

7.3 At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for exterior service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally operating appliances in the residence.

Exception:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When smoke detectors specified in CBC 310.9 are used to sound an alarm upon waterflow switch activation.

Section 8.6.5.1 is hereby amended to read as follows:

8.6.5.1 Attics shall be protected by quick-response intermediate temperature heads installed with a spacing of 400 sf (20' x 20') per head.

NFPA 72, 2010 Edition National Fire Alarm Code

Section 14.2.1.2.3 is hereby amended to read as follows:

14.2.1.2.3 If a defect or malfunction is not corrected at the conclusion of system inspection, testing, or maintenance, the system owner or the owner's designated representative and the fire code official shall be informed of the impairment in writing within 24 hours."

15.12.430 Amendment – Section B105.1 of Appendix B.

Section B105.1 of Appendix B is amended to read as follows:

"B105.1 One- and two-family dwellings. The minimum fire flow and flow duration for one- and two family dwellings shall not be less than 1500 gpm at 20 psi for 2 hours."

15.12.440 Amendment – Section B105.2 of Appendix B.

Section B105.2 of Appendix B is amended to read as follows:

"B105.2 Buildings other than one- and two-family dwellings. The minimum fire flow and flow duration for buildings shall be as specified in Table B 105.1."

Exception: A reduction in fire flow of up to 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500 gallons per minute (5677.5 L/min) for the prescribed duration."

15.12.450 Amendment – Table B105.1 of Appendix B.

Table B 105.1 of Appendix B is amended to read as follows:

**“TABLE B105.1
MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS***

<i>Use</i>	Required Flow (gallons per minute)	Duration
One- and Two-Family Dwelling	1500 gpm	2 hours
Multi-Family Dwelling	2500 gpm	2 hours
Commercial	3000 gpm	3 hours
Industrial	3500 gpm	4 hours

*Or as otherwise required by the Fire code official”

15.12.460 Amendment – Table C105.1 of Appendix C.

Table C 105.1 of Appendix C is amended to read as follows:

**“TABLE C105.1
NUMBER AND DISTRIBUTION OF FIRE HYDRANTS**

<i>Use</i>	Maximum Distance Between Hydrants (feet)	Maximum Distance From Any Point on Street or Road Frontage or Fire Department Access to a Hydrant (feet)
One- and Two-Family Dwelling	300	150
Multi-Family Dwelling	250	125
Commercial/Industrial	250	125

15.12.470 Violation – Penalty.

When authorized by the Fire code official in writing, the Building Official shall enforce provisions of the Fire Code under the provisions of the Corona Municipal Code, Chapter 15.70.”

SECTION 8. Chapter 15.20 of Title 15 of Corona Municipal Code is hereby amended and restated in its entirety to read as follows:

**"Chapter 15.20
PLUMBING CODE**

15.20.010	Title
15.20.020	Code Adoption
15.20.030	Administration
15.20.040	Amendments – Generally
15.20.050	Addition – Section 315.3-Open Trenches
15.20.060	Violation – Penalty.

15.20.010 Title

This chapter shall be cited as the Plumbing Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Plumbing Code, or other plumbing code, refers and applies to this chapter.

15.20.020 Code Adoption

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2010 California Plumbing Code, including the following appendices and portions thereof, are hereby adopted as the Plumbing Code of the City of Corona:

- (1) Chapter 1 Division II- Administration is not adopted as part of this code
- (2) Appendices A, B, D, G, I, K, and L are adopted as part of this code.

(B) One certified copy of the 2010 California Plumbing Code shall be kept on file in the office of the City Clerk, and any and all references thereto, are adopted as the Plumbing Code for the City of Corona and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.20.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.20.040 Amendments – Generally.

Designated sections of the 2010 California Plumbing Code are amended to read as set forth in §§ 15.20.040 and 15.20.050.

15.20.050 Amendment – Section 315.3 - Open Trenches.

Section 315.3 is amended by adding the following paragraph to the end of said section to read as follows:

‘No permittee hereunder shall leave unattended at any time any excavation for sewer or sewage disposal facilities, unless the permittee shall have first provided a suitable and adequate barricade, which will prevent any person from being in any way injured as a result of said excavation. Said permittee shall at all times during the existence of said excavation maintain said barricade in a manner suitable to protect any person from being so injured.’

15.20.060 Violation--Penalty.

The violation and penalties for Chapter 15.20 shall be as adopted in Chapter 15.02 of the Corona Municipal Code.”

SECTION 9. Chapter 15.28 of the Corona Municipal Code is hereby amended and restated in its entirety to read as follows:

**"CHAPTER 15.28
ELECTRICAL CODE**

Sections:

15.28.010	Title
15.28.020	Code Adoption
15.28.030	Administration
15.28.040	Violation – Penalty

15.28.010 Title

This chapter shall be cited as the Electrical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Electrical Code, or other electrical code, refers and applies to this chapter.

15.28.020 Code Adoption.

Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2010 California Electrical Code, including the Tables and Annexes thereto, but excluding Annexes E, F, G and H, are hereby adopted as the Electrical Code of the City of Corona.

One certified copy of the 2010 California Electrical Code shall be kept on file in the office of the City Clerk of the City of Corona, and any and all references thereto, are adopted as the Electrical Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.28.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.28.040 Violation--Penalty.

The violation and penalties for Chapter 15.28 shall be adopted in Chapter 15.02 of the Corona Municipal Code.”

SECTION 10. Chapter 15.70 of the Corona Municipal Code is hereby amended and restated in its entirety to read as follows:

**“Chapter 15.70
ENFORCEMENT AND PENALTIES**

Sections:

15.70.010 Enforcement
15.70.020 Penalties

15.70.010 Enforcement.

It shall be the duty of the Corona Police Department, the Fire Code Official, the Community Development Director, the Building Official, and the Code Enforcement Officer of the Community Development Department to enforce the provisions of this title.

15.70.020 Penalties.

It is unlawful for any person to erect, construct, enlarge, alter, repair, move, use, occupy or maintain any building, structure, equipment or portion thereof in the city or cause the same to be done contrary to or in violation of any provision of this title or any provisions of the codes, rules or regulations adopted in this title. No person shall violate any of the provisions or fail to comply with any of the requirements of this title. Unless a different penalty is prescribed for violation of a specific provision of this title, any person violating any of the provisions or failing to comply with the requirements of this title is guilty of an infraction; provided, however, that any person who violates any of the provisions or fails to comply with any of the requirements of this title and has previously been convicted two or more times during any continuous 12 month period for any crime made punishable by this title shall be guilty of a misdemeanor.

Violations of any of the provisions of Title 15 Corona Municipal Code are also subject to any or all of the provisions of Chapter 1.08 Corona Municipal Code.”

SECTION 11. Prior Ordinances Repealed. Upon the effective date of this Ordinance, all former ordinances or parts thereof conflicting or inconsistent with the provisions

of this ordinance of the codes herein adopted by reference and any other ordinance in conflict herewith are hereby repealed and declared to be of no further force and effect.

SECTION 12. CEQA. The City Council finds that the changes made to the uniform codes are enacted to mitigate the threats posed to public peace, health and safety from earthquakes, high winds and fire. In this regard, the recitals set forth in this Ordinance are incorporated herein by reference as findings. Therefore, it can be seen with certainty that adoption of this Ordinance will not have a significant adverse effect on the environment and is therefore exempt from the California Environmental Quality Act pursuant to Section 15061(b)(3) of the CEQA Guidelines. Staff is directed to file a notice of exemption within five (5) days of the adoption of this Ordinance.

SECTION 13. Severability. If any section, subsection, subdivision, paragraph, sentence, clause or phrase added by this Ordinance, or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this Ordinance or any part thereof. The City Council hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more subsections, subdivisions, paragraphs, sentences, clauses or phrases are declared unconstitutional, invalid or ineffective.

SECTION 14. Certification/Publication. The Mayor shall sign this ordinance and the City Clerk shall attest thereto and shall within fifteen days of its adoption cause it or a summary of it to be published in the Press Enterprise, a newspaper published and circulated in the City of Corona; and thereupon and thereafter this ordinance shall take effect and be in force according to law.

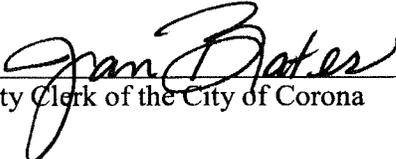
SECTION 15. Effective Date. This Ordinance shall take effect thirty (30) days following its adoption by the City Council or on January 1, 2011, whichever is later.

ADOPTED this 17th day of November, 2010.



Mayor of the City of Corona, California

ATTEST:



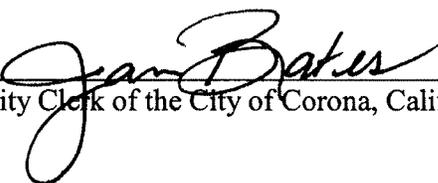
City Clerk of the City of Corona

CERTIFICATION

I, Jan Bates, City Clerk of the City of Corona, California, do hereby certify that the foregoing Ordinance was regularly introduced at an adjourned regular meeting of the City Council of the City of Corona, California, duly held the 3rd day of November 2010, and thereafter at a regular meeting thereof held on the 17th day of November 2010, it was duly passed and adopted by the following vote of the Council:

AYES: NOLAN, SCOTT, SKIPWORTH, SPIEGEL
NOES: NONE
ABSENT: MONTANEZ
ABSTAINED: NONE

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Corona, California, this 18th day of November 2010.



City Clerk of the City of Corona, California

(SEAL)

SUMMARY

On November 17, 2010, the Corona City Council will consider an ordinance to adopt the 2010 California Building Standards Code (California Code of Regulations, Title 24) with certain amendments and to provide for penalties for the violation of any provisions of the codes adopted. A certified copy of the full text of this proposed ordinance is posted in the City Clerk's office.

The City Council meets at 6:30 p.m. in the Council Chambers in the Corona City Hall, located at 400 South Vicentia Avenue. The City Clerk's office is located in City Hall near the Council Chambers.