

1 ORDINANCE NO. 787.10

2 AN ORDINANCE OF THE COUNTY OF RIVERSIDE
3 AMENDING ORDINANCE NO. 787 AND ADOPTING THE
4 2022 CALIFORNIA FIRE CODE AS AMENDED

5
6 The Board of Supervisors of the County of Riverside ordains as follows:

7 Section 1.

8 Ordinance No. 787 is amended in its entirety to read as follows:

9
10 ORDINANCE NO. 787

11 AN ORDINANCE OF THE COUNTY OF RIVERSIDE
12 ADOPTING THE 2022 CALIFORNIA
13 FIRE CODE AS AMENDED

14 Section 1.

15 FINDINGS. The Board of Supervisors finds the following:

- 16 A. Every three years the State of California adopts a new California Fire Code, as part
17 of the California Building Standards Code, which becomes effective as to Riverside County
18 180 days after publication by the California Building Standards Commission.
- 19 B. The International Fire Code has been published and adopted, as amended, by the
20 California Building Standards Commission into the California Code of Regulations as Title
21 24, Part 9, titled the California Fire Code.
- 22 C. Riverside County may establish more restrictive standards reasonably necessary to
23 provide fire protection for life and property because of local climatic, geological or
24 topographical conditions.
- 25 D. Riverside County has an arid climate with annual rainfall varying from three (3)
26 inches in Blythe to over thirty-three (33) inches in Pine Cove. The County also experiences
27 annual hot, dry Santa Ana Winds, which contribute to fires spreading quickly throughout the
28 County.

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1 E. A variety of regions exist within Riverside County including deserts, mountains,
2 brush covered wild lands, the Salton Sea and agricultural lands. Additionally, elevations
3 within Riverside County range from three hundred (300) feet below sea level to mountains
4 over ten thousand (10,000) feet. This variety in regions contributes to an increased
5 emergency response time, which necessitates cooperation between local agencies.

6 F. Riverside County contains a large number of sensitive habitats for various species
7 and vegetation, consists of large open space areas between major urban centers and includes
8 landscapes varying from mountains and hills to valleys and deserts. These conditions impact
9 building and structure location, which impedes emergency access and response.

10 G. Riverside County extends from Orange County to the State of Arizona and is mixed
11 with congested urban areas, rural lands and wild lands, which increase Riverside County
12 Fire Department response times to emergencies.

13 H. Two major earthquake faults, the San Andreas Fault and the San Jacinto Fault, bisect
14 Riverside County and numerous minor faults exist throughout it. As a result, a substantial
15 amount of property and persons located in Riverside County are likely to be impacted by
16 earthquakes and will require emergency response and rescue.

17 I. The topography within Riverside County extends from flat to twenty-five (25)
18 percent slope for habitable land, which causes buildings and structures to be located in
19 unique areas that impact emergency response and access.

20 J. In addition to earthquakes, a substantial amount of property and persons located in
21 Riverside County are likely to be impacted by landslides, wind erosion, blown sand, flooding
22 and wildfires because of the County's unique climatic, geological and topographical
23 conditions.

24 K. The additional requirements included herein are necessary to properly protect the
25 health, safety and welfare of the residents and workers of Riverside County.

26 L. Revenue shortages make it difficult to locate additional fire stations and provide
27 staffing sufficient to control fires in single and multi-story retail, commercial and industrial
28 buildings, making enhanced built in protection necessary.

1 M. The sections of the California Fire Code may be referred to by the same number used
2 in said published compilation preceded by the words "Riverside County Fire Code Section"
3 or "Fire Code Section."

4 Section 2.

5 PURPOSE. The purpose of this ordinance is to adopt the 2022 California Fire Code, California Code of
6 Regulations, Title 24, Part 9, as amended, to govern the safeguarding of life and property from fire,
7 explosion hazards and hazardous conditions and to regulate the issuance of permits and collection of fees.

8 Section 3.

9 AUTHORITY. This ordinance is adopted pursuant to Health and Safety Code Sections 17958, 17958.5,
10 17958.7, and 18941.5 which allow a county to adopt modifications or changes to the California Fire Code
11 that are reasonably necessary because of local climatic, geological and topographical conditions.

12 Section 4.

13 APPLICATION AND ADOPTION OF THE CALIFORNIA FIRE CODE. Except as stated in this
14 Section or as amended below in Section 5 of this Ordinance, all of the provisions and appendices of the
15 2022 California Fire Code, inclusive of all of the inclusions and exclusions set for in each chapter's
16 matrix, are hereby adopted and shall apply to the unincorporated areas of Riverside County. In addition,
17 the following provisions that are excluded in the 2022 California Fire Code are hereby adopted - Chapter
18 1, Division II of the California Fire Code is hereby adopted, except that Section 103.2 and 111.3 are not
19 adopted, and Chapters 3, 25, and Sections 403.11, 503, 510.2, 1103.2, and 5707 are adopted.

20 Section 5.

21 AMENDMENTS TO CALIFORNIA FIRE CODE:

22 **A. SCOPE AND GENERAL REQUIREMENTS.**

23 1. Section 101.4 of the California Fire Code is deleted in its entirety and replaced with the
24 following:

25 **101.4 Severability.** If any provision, clause, sentence or paragraph of this ordinance or the
26 application thereof to any person or circumstances shall be held invalid, such invalidity shall
27 not affect the other provisions of this ordinance which can be given effect without the invalid
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1 provision or application, and to this end, the provisions of this ordinance are hereby declared
2 to be severable.

3 **B. APPLICABILITY.**

4 1. Section 102.5 of the California Fire Code is amended as follows:

5 **102.5 Application of residential code.** Where structures are designed and constructed in
6 accordance with the California Residential Code, the provisions of this code shall apply as
7 follows:

8 1. Construction and design provisions of this code pertaining to the exterior of
9 the structure shall apply including, but not limited to, premises identification, fire
10 apparatus access and water supplies. Where interior or exterior systems or devices
11 are installed, construction permits required by Section 105.6 of this code shall apply.

12 2. Administrative, operational and maintenance provisions of this code shall
13 apply.

14 3. Automatic fire sprinkler system requirements of this code shall apply to
15 detached accessory buildings 3,600 square feet or greater in accordance with Section
16 903.2. The provisions contained in Section 903.2.18 of the California Fire Code or
17 Section R309.6 of the California Residential Code may be used for the design of the
18 automatic fire sprinkler system for detached private garages.

19 **C. DUTIES AND POWERS OF THE FIRE CODE OFFICIAL.**

20 1. A new Section 104.1.1 is added to Section 104.1 of the California Fire Code to read as
21 follows:

22 **104.1.1 Authority of the Fire Chief and Fire Department.**

23 1. The Fire Chief is authorized and directed to enforce all applicable State fire
24 laws and provisions of this ordinance and to perform such duties as directed by the
25 Riverside County Board of Supervisors.

26 2. The Fire Chief is authorized to administer, interpret and enforce this
27 ordinance. Under the Fire Chief's direction, the Riverside County Fire Department
28 is authorized to enforce ordinances of Riverside County pertaining to the following:

- 1 2.1. The prevention of fires.
- 2 2.2. The suppression or extinguishment of dangerous or hazardous fires.
- 3 2.3. The storage, use and handling of hazardous materials.
- 4 2.4. The installation and maintenance of automatic, manual and other private
- 5 fire alarm systems and fire extinguishing equipment.
- 6 2.5. The maintenance and regulation of fire escapes.
- 7 2.6. The maintenance of fire protection and the elimination of fire hazards on
- 8 land, in buildings, structures and other property, including those under
- 9 construction.
- 10 2.7. The maintenance of means of egress.
- 11 2.8. The investigation of the cause, origin and circumstances of fire and
- 12 unauthorized releases of hazardous materials.

13 3. The following persons are hereby authorized to interpret and enforce the
14 provisions of this ordinance and to make arrests and issue citations as authorized by
15 law:

- 16 3.1. The Unit Chief, Peace Officers and Public Officers of the California
- 17 Department of Forestry and Fire Protection.
- 18 3.2. The Fire Chief, Peace Officers and Public Officers of the Riverside
- 19 County Fire Department.
- 20 3.3. The Riverside County Sheriff and any deputy sheriff.
- 21 3.4. The Police Chief and any police officer of any city served by the
- 22 Riverside County Fire Department.
- 23 3.5. Officers of the California Highway Patrol.
- 24 3.6. Code Officers of the Riverside County Code Enforcement Department.
- 25 3.7. Peace Officers of the California Department of Parks and Recreation.
- 26 3.8. The law enforcement officer of the Federal Bureau of Land Management.

27 2. Sections 104.7 and 104.7.1 of the California Fire Code are deleted in their entirety and
28 replaced with the following:

1 **104.7 Liability.** Any liability against Riverside County or any officer or employee for
2 damages resulting from the discharge of their duties shall be as provided by law.

3 3. A new Section 104.13 is added to Section 104 of the California Fire Code to read as follows:

4 **104.13 Authority of the Fire Chief to close hazardous fire areas.** Except upon National
5 Forest Land, the Fire Chief is authorized to determine and announce the closure of any
6 hazardous fire area or portion thereof. Any closure by the Fire Chief for a period of more
7 than fifteen (15) calendar days must be approved by the Riverside County Board of
8 Supervisors within fifteen (15) calendar days of the Fire Chief's original order of closure.
9 Upon such closure, no person shall go in or be upon any hazardous fire area, except upon
10 the public roadways and inhabited areas. During such closure, the Fire Chief shall erect and
11 maintain at all entrances to the closed area sufficient signs giving notice of closure. This
12 section shall not prohibit residents or owners of private property within any closed area, or
13 their invitees, from going in or being upon their lands. This section shall not apply to any
14 entry, in the course of duty, by a peace officer, duly authorized public officer or fire
15 department personnel. For the purpose of this section, "hazardous fire area" shall mean
16 public or private land that is covered with grass, grain, brush or forest and situated in a
17 location that makes suppression difficult resulting in great damage. Such areas are
18 designated on Hazardous Fire Area maps filed with the office of the Fire Chief.

19 **D. FEES.**

20 1. Section 107.2 of the California Fire Code is deleted in its entirety and replaced with the
21 following:

22 **107.2 Schedule of permit fees.** Fees for services and permits shall be as set forth in
23 Riverside County Ordinance No. 671.

24 2. A new Section 107.7 is added to Section 106 of the California Fire Code to read as follows:

25 **107.7 Cost recovery.** Fire suppression, investigation, rescue or emergency medical costs are
26 recoverable in accordance with Health and Safety Code Sections 13009 and 13009.1, as may
27 be amended from time to time. Additionally, any person who negligently, intentionally or in
28 violation of law causes an emergency response, including, but not limited to, a traffic

1 accident, spill of toxic or flammable fluids or chemicals is liable for the costs of securing
2 such emergency, including those costs pursuant to Government Code Section 53150, et seq,
3 as may be amended from time to time. Any expense incurred by the Riverside County Fire
4 Department for securing such emergency shall constitute a debt of such person and shall be
5 collectable by Riverside County in the same manner as in the case of an obligation under
6 contract, express or implied.

7 **E. MEANS OF APPEALS.**

8 1. Section 111.1 of the California Fire Code is deleted in its entirety and replaced with the
9 following:

10 **111.1 Board of appeals established.** The Board of Appeals shall be the County Executive
11 Officer. If he or she determines an outside board is needed, he or she shall designate an
12 outside hearing officer to hear the appeal. The Fire Chief shall be notified of any appeal and
13 the Fire Chief or designee shall be in attendance at the appeal hearing. Depending on the
14 subject of the appeal, specialized expertise may be solicited, at the expense of the applicant,
15 for the purpose of providing input to the Appeals Board.

16 **F. VIOLATIONS.**

17 1. Section 112.4 of the California Fire Code is deleted in its entirety and replaced with the
18 following:

19 **112.4 Violation and penalties.** It shall be unlawful for any person, firm, corporation or
20 association of persons to violate any provision of this ordinance, or to violate the provisions
21 of any permit granted pursuant to this code or Ordinance 787. Punishments and penalties for
22 violations shall be in accordance with Ordinance No. 725 and Health and Safety Code
23 Sections 17995 through 17995.5.

24 **G. DEFINITIONS.**

25 1. Section 202, definition of "Fire Chief" in the California Fire Code is deleted in its entirety
26 and replaced with the following:

27 FIRE CHIEF. The Fire Chief of Riverside County or the Fire Chief's designee.

28 **H. OPEN FLAMES.**

1 1. Section 308.1.6.3 of the California Fire Code is deleted in its entirety and replaced with the
2 following:

3 **308.1.6.3 Sky lanterns or similar devices.** A person shall not release or cause to be released
4 a sky lantern or similar device.

5 **I. FIRE APPARATUS ACCESS ROADS.**

6 1. Section 503.2.1 of the California Fire Code is deleted in its entirety and replaced with the
7 following:

8 **503.2.1 Dimensions.** Fire apparatus access roads shall have an unobstructed width of not
9 less than 24 feet (7315 mm), exclusive of shoulders, except for approved security gates in
10 accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13
11 feet 6 inches (4115 mm). For additional requirements or alternatives see Riverside County
12 Fire Department Standards and Policies, as may be amended from time to time.

13 2. Section 503.2.2 of the California Fire Code is deleted in its entirety and replaced with the
14 following:

15 **503.2.2 Authority.** The fire code official shall be the only authority authorized to designate
16 fire apparatus access roads and fire lanes and to modify the minimum fire lane access widths
17 for fire or rescue operations.

18 3. A new Section 503.6.1 is added to Section 503.6 of the California Fire Code to read as
19 follows:

20 **503.6.1 Automatic opener.** New motorized gates shall be provided with means to be
21 automatically opened remotely by emergency vehicle in accordance with Riverside County
22 Fire Department Standards and Policies, as may be amended from time to time.

23 **Exception:** Gates serving individual one- and two-family dwelling parcels.

24 4. A new Section 503.7 is added to Section 503 of the California Fire Code to read as follows:

25 **503.7 Loading areas and passenger drop-off areas.** On private properties, where fire
26 apparatus access roads are utilized for loading or unloading or utilized for passenger drop-
27 off or pick-up, an additional eight (8) feet of width shall be added to the minimum required
28 width for the fire apparatus access road.

1 **J. FIRE PROTECTION WATER SUPPLIES.**

2 1. A new Section 507.5.7 is added to Section 507 of the California Fire Code to read as follows:

3 **507.5.7 Fire hydrant size and outlets.** As determined by the fire code official, fire hydrant
4 sizes and outlets shall be based on the following:

5 1. Residential Standard – one (1) four (4) inch outlet and one (1) two and half (2 ½)
6 inch outlet.

7 2. Super Hydrant Standard – one (1) four (4) inch outlet and two (2) two and one half
8 (2 ½) inch outlet.

9 3. Super Hydrant Enhanced – two (2) four (4) inch outlet and one (1) two and one
10 half (2 ½) inch outlet.

11 2. A new Section 507.5.8 is added to Section 507 of the California Fire Code to read as follows:

12 **507.5.8 Fire hydrant street marker.** Fire hydrant locations shall be visually indicated in
13 accordance with Riverside County Fire Department Technical Policy 06-11, as may be
14 amended from time to time. Any hydrant marker damaged or removed during the course of
15 street construction or repair shall be immediately replaced by the contractor, developer or
16 person responsible for removal or damage.

17 **K. FIRE COMMAND CENTER.**

18 1. Section 508.1 of the California Fire Code is deleted in its entirety and replaced with the
19 following:

20 **508.1 General.** Where required by other sections of this code and in all buildings classified
21 as high-rise buildings by the California Building Code, in all buildings greater than 300,000
22 square feet (27 870 m2), and in Group I-2 occupancies having occupied floors located more
23 than 75 feet above the lowest level of fire department vehicle access a fire command center
24 for fire department operations shall be provided and shall comply with Sections 508.1.1
25 through 508.1.7.

26 2. Section 508.1.1 of the California Fire Code is deleted in its entirety and replaced with the
27 following:

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1 **508.1.1 Location and access.** The fire command center shall be located adjacent to the main
2 lobby and shall be accessible from fire department vehicular access or as approved by the
3 fire code official. The room shall have direct access from the building exterior at the lowest
4 level of fire department access.

5 3. Section 508.1.3 of the California Fire Code is amended as follows:

6 **508.1.3 Size.** The fire command center shall be not less than 0.015 percent of the total
7 building area of the facility served or 200 square feet (19 m²) in area, whichever is greater,
8 with a minimum dimension of 0.7 times the square root of the room area or 10 feet (3048
9 mm), whichever is greater.

10 Where a fire command center is solely required because a building is greater than 300,000
11 square feet (27 870 m²), the fire command center shall have a minimum size of 96 square
12 feet (9 m²) with a minimum dimension of 8 feet (2438 mm) where approved by the fire code
13 official.

14 **L. FIRE PROTECTION AND UTILITY EQUIPMENT IDENTIFICATION AND ACCESS.**

15 1. Section 509.2.1 of the California Fire Code is amended to add the following:

16 **509.2.1 Minimum clearances.** A 3-foot (914 mm) clear space shall be maintained around
17 the circumference of exterior fire protection system control valves, or any other exterior fire
18 protection system component that may require immediate access, except as otherwise
19 required or approved.

20 **M. MECHANICAL REFRIGERATION.**

21 1. Section 608.11.1.2 of the California Fire Code is deleted in its entirety and replaced with the
22 following:

23 **608.11.1.2 Manual operation.** When required by the fire code official, automatic crossover
24 valves shall be capable of manual operation. The manual valves shall be located in an
25 approved location immediately outside of the machinery room in a secure metal box or
26 equivalent and marked as Emergency Controls.

27 **N. AUTOMATIC SPRINKLER SYSTEMS.**

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1 1. Section 903.2 of the California Fire Code is deleted in its entirety and replaced with the
2 following:

3 **903.2 Where required.** In all new buildings and structures which are 3,600 square feet or
4 greater, an approved automatic sprinkler system shall be provided regardless of occupancy
5 classification. Where the Sections 903.2.1 – 903.2.21 of the California Fire Code require
6 more restrictive requirements than those listed below, the more restrictive requirement shall
7 take precedence.

8 **Exception:** Unless required elsewhere in this code or the California Building Code,
9 automatic fire sprinkler systems shall not be required for the following:

- 10 1. Detached Group U occupancies used for agricultural purposes constructed
11 in accordance with the California Building Code.
- 12 2. Detached non-combustible equestrian arena shade canopies that are open
13 on all sides and used for riding only - no commercial, assembly or storage
14 uses.
- 15 3. Detached fabric or non-combustible shade structures that are open on all
16 sides and used to shade playground equipment, temporary storage of vehicles
17 and dining areas with no cooking.
- 18 4. Where determined by the Fire Chief that no major life safety hazard exists,
19 and the fuel load does not pose a significant threat to firefighter safety or to
20 other structures or property, automatic fire sprinklers may be exempted.

21 One- and two-family dwellings shall have an automatic fire sprinkler system regardless of
22 square footage in accordance with the California Residential Code. Fire sprinkler systems
23 shall be installed in mobilehomes, manufactured homes and multifamily manufactured
24 homes with two dwelling units in accordance with Title 25 of the California Code of
25 Regulations.

26 The following exceptions in the California Fire Code shall not be allowed:

- 27 a. Exception in Section 903.2.3
- 28 b. Exception in Section 903.2.11.3

1 2. A new Section 903.3.5.3 is added to Section 903 of the California Fire Code to read as
2 follows:

3 **903.3.5.3 Hydraulically calculated systems.** The design of hydraulically calculated fire
4 sprinkler systems shall not exceed 90% of the water supply capacity.

5 **O. DESIGNATION OF HIGH-PILED STORAGE AREAS.**

6 1. A new Section 3204.2.1 is added to Section 3204.2 of the California Fire Code to read as
7 follows:

8 **3204.2.1 Minimum requirements for client leased or occupant owned warehouses.**

9 Designs of an automatic sprinkler system for client leased or occupant owned buildings
10 containing high pile storage shall be based on the requirements of NFPA 13. The responsible
11 fire protection engineer shall perform a survey of the building to determine commodity
12 classification, storage configuration, building height and other information related to the
13 development of an appropriate sprinkler system design. The fire protection engineer shall
14 also make reasonable efforts to meet with the building owner or operator to understand
15 seasonal or customer related fluctuations to the stored commodities, storage height, and
16 configuration. The sprinkler design shall be based on the most demanding requirements
17 determined through the onsite survey and discussions with the building owner or operator.
18 The technical report shall describe the basis for determining the commodity and sprinkler
19 design selection, how the commodities will be isolated or separated, and include references
20 to the design document(s). If a specific fire test is used as the basis of design, a copy of the
21 fire test report shall be provided at the time of plan review.

22 **P. FIRE HAZARD SEVERITY ZONES.**

23 1. A new Section 4904.2.1 is added to Section 4904 of the California Fire Code to read as
24 follows:

25 **4904.2.1 High Fire Hazard Severity Zone Maps.** In accordance with Government Code
26 Sections 51175 through 51189, Very High Fire Hazard Severity Zones (VHFHSZ), located
27 in the Local Responsibility Areas (LRA), are designated as shown on the most recently
28 published VHFHSZ IN LRA map, as recommended and published by the Director of the

1 California Department of Forestry and Fire Protection (CAL FIRE), which may be revised
2 from time to time. The most recent VHFHSZ IN LRA map is on file at the office of the Fire
3 Chief, which supersedes other maps previously adopted by Riverside County designating
4 high fire hazard areas.

5 **Q. APPENDIX B.**

- 6 1. Table B105.2 of the California Fire Code is amended as follows:

7 **TABLE B105.2**
8 **REQUIRED FIRE-FLOW FOR BUILDINGS OTHER THAN ONE- AND**
9 **TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES**

| AUTOMATIC SPRINKLER SYSTEM (Design Standard) | MINIMUM FIRE- FLOW (gallons per minute) | FLOW DURATION (hours) |
|---|--|--|
| No automatic sprinkler system | Value in Table B105.1(2) | Duration in Table B105.1(2) |
| Section 903.3.1.1 of the <i>California Fire Code</i> | 50% of the value in Table B105.1(2) ^a | Duration in Table B105.1(2) at the reduced flow rate |
| Section 903.3.1.2 of the <i>California Fire Code</i> | 50% of the value in Table B105.1(2) ^b | Duration in Table B105.1(2) at the reduced flow rate |

10 For SI: 1 gallon per minute = 3.785 L/m.

- 11 a. The reduced fire-flow shall be not less than 1,000 gallons per minute.
12 b. The reduced fire-flow shall be not less than 1,500 gallons per minute.

13 **R. APPENDIX C.**

- 14 1. Section C103.1 of the California Fire Code is deleted in its entirety and replaced with the
15 following:

16 **C103.1 Hydrant spacing.** Fire apparatus access roads and public streets providing required
17 access to buildings in accordance with Section 503 of the California Fire Code shall be
18 provided with one or more fire hydrants, as determined by Section C102.1. Where more than
19 one fire hydrant is required, the distance between required fire hydrants shall be in
20 accordance with Sections C103.2 and C103.3. Fire hydrants shall be provided at street
21 intersections.

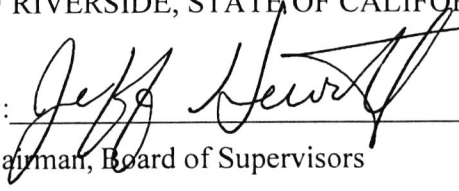
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1 Section 2.

2 EFFECTIVE DATE. This ordinance shall take effect thirty (30) days from the date of adoption.

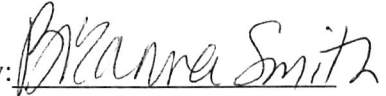
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BOARD OF SUPERVISORS OF THE COUNTY
OF RIVERSIDE, STATE OF CALIFORNIA

By: 
Chairman, Board of Supervisors

ATTEST:

CLERK OF THE BOARD

By: 
Deputy

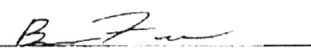
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APPROVED AS TO FORM

November 29, 2022

Minh C. Tran

County Counsel

By: 
Bruce G. Fordon
Deputy County Counsel

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STATE OF CALIFORNIA)
)
COUNTY OF RIVERSIDE) ss

I HEREBY CERTIFY that at a regular meeting of the Board of Supervisors of said county held on December 13 , 2022, the foregoing ordinance consisting of 2 Sections was adopted by the following vote:

AYES: Jeffries, Spiegel, Washington, and Hewitt
NAYS: None
ABSENT: Perez

DATE: December 13, 2022

KECIA R. HARPER
Clerk of the Board
BY: 
Deputy

SEAL