

November 1, 2022

H-26

HONORABLE MAYOR AND CITY COUNCIL

City of Long Beach

California

RECOMMENDATION:

Receive the supporting documentation into the record, conclude the public hearing, and declare the Ordinance adopting and amending the 2022 Edition of the California Building Standards Code and the 1997 Edition of the Uniform Housing Code by amending and restating Title 18 of the Long Beach Municipal Code in its entirety, read for the first time and laid over to the next regular meeting of the City Council for final reading;

Declare the Ordinance amending Sections 8.96.040, 8.96.080, 8.96.090, 8.96.100, 8.96.110, 8.96.120, 8.96.130, and 8.96.210 of the Long Beach Municipal Code, read for the first time and laid over to the next regular meeting of the City Council for final reading;

Adopt a Resolution making express findings and determinations relating to the adoption of more restrictive code provisions where appropriate; and,

Determine that these actions (the Project) are categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15305 (Class 5 – Minor Alterations to Land Use Limitations) of the CEQA Guidelines and none of the exceptions in Section 15300.2 apply, and that the Project is further exempt pursuant to Section 15308 (Actions by Regulatory Agencies for Protection of the Environment) and Section 15061(b)(3) (Common Sense Exemption), as the Project will not result directly or indirectly in significant environmental impacts (CE22-144). (Citywide)

DISCUSSION

Every three years, the State of California adopts the latest edition of the California Building Standards Code and Uniform Housing Code (Codes) to establish uniform standards for the construction and maintenance of buildings, electrical systems, plumbing systems, mechanical systems, and fire and life safety systems. The 2022 Edition of the California Building Standards Code was adopted by the California Building Standards Commission and published on July 1, 2022. The 1997 Edition of the Uniform Housing Code was adopted by the California Department of Housing and Community Development and has been in effect since August 22, 1998. State law requires that the adopted Codes become effective at the local level on January 1, 2023.

Prior to the adoption and enforcement of the Codes at the local level, State law permits local jurisdictions to amend the Codes when an express finding and determination is

made that such local amendments are reasonably necessary because of local climatic, geological, or topographical conditions that affect the jurisdiction; and are reasonably necessary, provided it is a more restrictive building standard. Local amendments that are necessary for administrative clarification and do not modify Building Standards, as defined in Section 18909(c) of the California Health and Safety Code, can be enacted without the required express findings and determinations.

City of Long Beach (City) staff from multiple departments and bureaus including the Development Services Department's (Department) Building and Safety and Code Enforcement Bureaus, the Fire Department's Fire Prevention Bureau, and the Public Works Department have reviewed the Codes and recommend the proposed local amendments. Many of the proposed amendments are consistent with amendments adopted by other jurisdictions in Southern California as part of the Los Angeles Regional Uniform Code Program. The intent of the proposed amendments is to (1) minimize, prevent and protect the community from natural hazards such as earthquakes, floods, fires, etc., and (2) improve the health and welfare of the community through green building and sustainable construction practices. The proposed amendments are summarized below.

- Title 8, Long Beach Municipal Code (LBMC), Health and Safety. Amend Sections 8.96.040, 8.96.080, 8.96.090, 8.96.100, 8.96.110, 8.96.120, and 8.96.210 to be consistent with the latest Municipal National Pollutant Discharge Elimination System (NPDES) Permit. Section 8.96.130 is proposed to be updated to consolidate the stormwater requirements currently in Chapter 18.61 into Chapter 8.96 of the LBMC.
- Title 18, LBMC, Building Standards Code. Amend all references in the Codes from 2019 to 2022. Several administrative amendments are proposed that update existing plan review, inspection, and code enforcement procedures. Chapter 18.10 is proposed to be updated to clarify the duties and regulations of the Board of Examiners, Appeals and Condemnation (BEAC). Chapter 18.61 is proposed to be removed and the contents relocated and updated to Chapter 8.96 to consolidate the City's stormwater requirements to one location. Chapter 18.66 is proposed to be deleted to remove duplicative accessibility regulations that are provided for in Chapter 11B of the California Building Code. Chapter 18.74 is proposed to be updated to make editorial changes to improve the application of the Low Impact Development (LID) requirements. Chapter 18.76 is proposed to be updated to comply with Assembly Bill 970 to streamline the permitting process for the installation of electric vehicle charging stations. Chapter 18.77 is proposed to be updated to comply with Senate Bill 379 to streamline the permitting process for the installation of solar energy systems and energy storage systems. Chapter 18.79 is proposed to be amended to clarify the methane gas mitigation requirements.

In accordance with California Environmental Quality Act (CEQA) Guidelines, the proposed Ordinance amendments are exempt from CEQA. The purpose of the City's adoption of the 2022 Edition of the California Building Code Standards is to update the minimum development standards to safeguard the public health, safety, and general welfare for all types of buildings and structures. The amendments to Title 18 are exempt,

pursuant to Section 15305 (Class 5 - Minor Alterations to Land Use Limitations) of the CEQA Guidelines and none of the exceptions in Guideline Section 15300.2 apply, and the action is further exempt pursuant to Section 15308 (Actions by Regulatory Agencies for Protection of the Environment) and Section 15061 (b)(3) (Common Sense Exemption), as the amendments will not result directly or indirectly in significant environmental impacts (CE22-144).

In compliance with City policy to solicit broad public input and consideration of various amendments and their components, the proposed Ordinances and Resolution have been presented to the public and discussed as indicated below.

- Board of Examiners Appeals and Condemnation: The City's code review body reviewed the proposed amendments at its meetings on March 21, April 18, May 16, August 15 and 29, and September 19 on 2022. On September 19, 2022, BEAC voted to recommend approval of the proposed amendments to the City Council.
- Industry Partners: City staff reached out directly to local partners for input and feedback on the proposed amendments including the local Long Beach/South Bay Chapter of the American Institute of Architects, the local office of the California Apartment Association, the Structural Engineers Association of Southern California, the Los Angeles/Ventura Chapter of the Building Industry Association, and the Downtown Long Beach Alliance.
- Public notice: To increase public awareness of the process to amend the Codes, notices have been posted on the Development Services Department's website; flyers have been distributed at the Permit Center in City Hall; information has been posted on the City's social networking sites (Facebook, Twitter, etc.); and email blasts have been sent to the Department's "Latest News and Updates" distribution group. Future community workshops may be scheduled to highlight the provisions of the State-mandated Codes for the public after their adoption.

During the discussions with BEAC and others some sustainability topics beyond the scope of this update were raised. The Department is continuing work on building electrification, decarbonization and other climate related measures on a separate tract and will return to the City Council to discuss those items in the future. In compliance with City and State regulations, public hearing notices specific to this Triennial Update were published in the Press Telegram and distributed on October 18, 2022, and no responses were received as of the date of the preparation of this report.

This matter was reviewed by Retired Annuitant Attorney Michael J. Mais on September 21, 2022 and by Revenue Management Officer Geraldine Alejo on October 11, 2022.

Sustainability

State law requires the adoption of the 2022 Edition of the California Green Building Standards Code (CALGreen Code), which will require residential and nonresidential buildings to be designed and constructed utilizing sustainable construction practices. Coupled with the City's existing Model Landscaping, Construction and Demolition Debris

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Recycling, and Green Building Ordinances, Low Impact Development Standards, Streamlined Permitting Process for Electric Vehicle Charging Stations, and Streamlined Permitting Process for Solar Energy Systems and Energy Storage Systems, the CALGreen Code will help to preserve and protect the community and allow the City to realize a healthier, cleaner and more viable and sustainable environment for the City.

TIMING CONSIDERATIONS

State law requires that the Code become effective on January 1, 2023. City Council action is requested on November 1, 2022, in order to comply with this State-mandated deadline.

FISCAL IMPACT

This recommendation has no staffing impact beyond the normal budgeted scope of duties and is consistent with existing City Council priorities. There is no fiscal or local job impact associated with this recommendation.

SUGGESTED ACTION:

Approve recommendation.

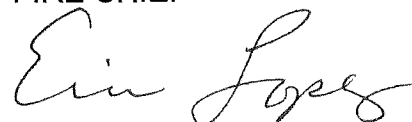
Respectfully submitted,



CHRISTOPHER KOONTZ
ACTING DIRECTOR
DEVELOPMENT SERVICES



XAVIER ESPINO
FIRE CHIEF



ERIC LOPEZ
DIRECTOR OF PUBLIC WORKS

APPROVED:



THOMAS B. MODICA
CITY MANAGER

ATTACHMENTS: 2 - ORDINANCES
1 - RESOLUTION

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY
OF LONG BEACH ADOPTING AND MAKING EXPRESS
FINDINGS AND DETERMINATIONS RELATING TO THE
ENACTMENT OF ADMINISTRATIVE AMENDMENTS, AND,
WHERE APPROPRIATE, MORE RESTRICTIVE BUILDING
STANDARDS CODE PROVISIONS THAN THOSE OF THE
CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL
CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA
PLUMBING CODE, CALIFORNIA MECHANICAL CODE,
UNIFORM HOUSING CODE, CALIFORNIA GREEN BUILDING
STANDARDS CODE, CALIFORNIA FIRE CODE, CALIFORNIA
EXISTING BUILDING CODE, AND CALIFORNIA HISTORICAL
BUILDING CODE; FINDING THAT SAID AMENDMENTS AND
MODIFICATIONS TO THE CODES ARE REASONABLY
NECESSARY BECAUSE OF THE LOCAL CLIMATIC,
GEOLOGICAL OR TOPOGRAPHICAL CONDITIONS EXISTING
THE CITY OF LONG BEACH IN LONG BEACH; AND
INSTRUCTING THE DIRECTOR OF DEVELOPMENT
SERVICES AND THE FIRE CHIEF TO TRANSMIT SAID
FINDINGS AND DETERMINATIONS TO THE CALIFORNIA
BUILDING STANDARDS COMMISSIONS, THE CALIFORNIA
HOUSING AND COMMUNITY DEVELOPMENT DEPARTMENT
AND THE STATE HISTORICAL BUILDING SAFETY BOARD IN
ACCORDANCE WITH SECTIONS 17958.7, 18941.5 AND 18959
OF THE CALIFORNIA HEALTH AND SAFETY CODE

1 WHEREAS, certain buildings standards and other related model codes are
2 adopted by the State of California in the California Building Standards Code and become
3 applicable to the City of Long Beach pursuant to various provisions of State Law unless
4 otherwise amended by the City pursuant to the Health and Safety Code. Said required
5 model codes, as previously adopted by the State, are likewise being adopted by the City
6 by Ordinance concurrently with this Resolution as the "City of Long Beach Building
7 Standards Code."; and

8 WHEREAS, Section 13143.5(a) of the California Health and Safety Code
9 provides, in pertinent part, as follows:

10 "...any city, county, or city and county may, by ordinance, make changes or
11 modifications that are more stringent than the requirements published in the California
12 Building Standards Code relating to fire and panic safety and the other regulations
13 adopted pursuant to this part. Any changes or modifications that are more stringent than
14 the requirements published in the California Building Standards Code relating to fire and
15 panic safety shall be subject to subdivision (b) of Section 18941.5."

16 WHEREAS, Section 17958.5 of the California Health and Safety Code
17 provides, in pertinent part, as follows:

18 "...a city or county may make those changes or modifications in the requirements
19 contained in the provisions published in the California Building Standards Code and the
20 other regulations adopted pursuant to Section 17922, including, but not limited to, green
21 building standards, as it determines, pursuant to the provisions of Section 17958.7, are
22 reasonably necessary..."; and

23 WHEREAS, Section 17958.7 of the California Health and Safety Code
24 provides, in pertinent part, as follows:

25 "...before making any modifications or changes pursuant to Section
26 17958.5, shall make an express finding that such modifications or changes are
27 reasonably necessary because of local climatic, geologic or topographic conditions...";
28 and

WHEREAS, Section 18941.5(b) of the California Health and Safety Code provides, in pertinent part, as follows:

“Neither the State Building Standards Law contained in this part, nor the application of building standards contained in this section, shall limit the authority of a city, county, or city and county to establish more restrictive building standards, including, but not limited to, green building standards, reasonably necessary because of local climatic, geological, or topographical conditions.”

WHEREAS, Section 18959(f) of the California Health and Safety Code provides, in pertinent part, as follows:

“When administering and enforcing this part, each local agency may make changes or modifications in the requirements contained in the California Historical Building Code, as described in Section 18944.7, as it determines are reasonably necessary because of local climatic, geological, seismic, and topographical conditions.”

WHEREAS, the City of Long Beach is traversed by the Newport-Inglewood Fault System, is near the San Andreas Fault, and is surrounded by other earthquake faults; and

WHEREAS, the Newport-Inglewood Fault System is a right lateral, local reverse slip type of faulting, approximately 75 km in length extending from Culver City to the north to Costa Mesa to the south of the City, has a slip rate of 0.6 mm/yr with a probable magnitude of 6.0 to 7.2, and is generally considered a major Southern California earthquake fault which may experience rupture at any time; and

WHEREAS, the City is located by the International Building Code in Seismic Design Category D, E or F, and the International Residential Code in Seismic Design Category D2 or E, which is considered by experts to be one of the most active seismic regions in the world; and

WHEREAS, the Northridge Earthquake that occurred on January 17, 1994, was only a moderate Richter Magnitude 6.8 earthquake, yet caused damage in the Los Angeles Basin area to more than 115,000 buildings and the evacuation of 21,000

1 residential units including 2,000 homes; and

2 WHEREAS, there were 57 persons who lost their lives in this earthquake,
3 but there could have been several thousand more casualties, if the earthquake had
4 occurred at midday during the workweek when most buildings would be occupied instead
5 of at 4:31 a.m. on a holiday; and

6 WHEREAS, seismic experts report a significantly high probability for a
7 larger earthquake occurring in the greater Los Angeles Basin area within the next 30
8 years; and

9 WHEREAS, unusually large earthquakes cause extraordinary stresses on
10 buildings and structures and Fire Department resources which require more stringent
11 building and fire life-safety regulations than would otherwise be required; and

12 WHEREAS, the City requires the extra margin of safety due to the
13 necessity of providing on site fire protection in a seismic emergency when Fire
14 Department resources could be greatly delayed or overwhelmed; and

15 WHEREAS, the Northridge Earthquake provided valuable insight into the
16 vulnerabilities of some building systems, designs and materials to the unanticipated level
17 of damage; and

18 WHEREAS, the City, in cooperation with other major jurisdictions within the
19 region, are continuing efforts to protect the community from the hazards of future
20 earthquakes through the Los Angeles Regional Uniform Code Program (LARUCP) which
21 creates uniformity of building regulations adopted by the cities and county of the Los
22 Angeles region; and

23 WHEREAS, the California Building Code, California Residential Code,
24 California Fire Code, California Existing Building Code, and California Historical Building
25 Code have not yet fully addressed the lessons learned from the Northridge Earthquake;
26 and

27 WHEREAS, the Legislature of the State of California has in Sections 65302,
28 65560, and 65800 of the California Government Code conferred upon local governments

1 the authority to adopt regulations designed to promote the public health, safety, and
2 general welfare of its citizenry; and

3 WHEREAS, a portion of the City is within or near flood-prone areas that are
4 capable of maximizing public and private losses during times of flooding in specified flood
5 hazard areas; and

6 WHEREAS, the City is located within the Los Angeles Basin, one of the
7 most polluted metropolitan areas and one of the most heavily modified watersheds in the
8 nation, with a climate system capable of producing major winds, fire and rain related
9 disasters and is a densely populated area having residential and nonresidential buildings
10 constructed within a region where environmental resources are scarce; and

11 WHEREAS, the City is located within a Mediterranean, semi-arid climate
12 system that produces warm dry summers and cool wet winters and thus receives
13 approximately 13 inches of rain-water per year on average; and

14 WHEREAS, the City is impacted by an impermeable layer of clay that lies
15 between the City's surface and the groundwater basin underneath the City, preventing
16 precipitations that falls locally from replenishing the basin; and

17 WHEREAS, the City's groundwater pumping activities meets only half of the
18 water demand of over five hundred thousand Long Beach residents; and

19 WHEREAS, in February 2010, the Long Beach City Council adopted a
20 Sustainable City Action Plan, which includes initiatives, goals and actions to create a
21 more sustainable Long Beach, and specifically calls out goals for green building and
22 sustainable development, urban nature, waste reduction, and water and energy
23 conservation.

24 NOW, THEREFORE, in order to provide adequate protection under the
25 unique local climatic, geologic and topographic conditions as set forth above, the City of
26 Long Beach makes the following findings and determinations relative to the adoption of
27 administrative amendments, and where appropriate, the adoption of more restrictive
28 Building Standards Code provisions than those of the California Building Code, California

1 Residential Code, California Electrical Code, California Plumbing Code, California
2 Mechanical Code, Uniform Housing Code, California Green Building Standards Code,
3 California Fire Code, California Existing Building Code and California Historical Building
4 Code:

5 Section 1. Findings and determinations relative to the adoption of
6 administrative amendments to the 2022 Edition of the California Building Standards
7 Code, Title 24 of the California Code of Regulations:

8 Chapters 8.96, 18.01 thru 18.30 and 18.60 thru 18.99 – Amendment is necessary
9 for local administrative clarification, does not modify a Building Standard as defined in
10 Section 18909(c) of the California Health and Safety Code, and does not require the
11 express findings and determination required by Sections 17958, 17958.5 and 17958.7 of
12 the California Health and Safety Code.

13 Sections 8.96.010 thru 8.96.210 and Sections 18.74.010 thru 18.74.060 –
14 Amendment is necessary on the basis of local climatic, environmental and geologic
15 conditions. The City is located at the foot of three watersheds: the Los Angeles River, Los
16 Cerritos Channel, and the Lower San Gabriel River, making it the final municipality that
17 waterways flow through before discharging to the ocean. To prevent and reduce pollution
18 from discharging to the MS4 system and ultimately the ocean, this Chapter prohibits illicit
19 discharges and non-stormwater discharges, and requires the implementation of controls
20 to reduce the discharge of pollutants in stormwater. These controls include best
21 management practices at industrial and commercial facilities and construction sites. It
22 also includes Low Impact Development (LID) for priority development projects such
23 thatthe runoff generated from the development will be infiltrated, captured and reused, or
24 treated through biofiltration. Using such site designs and best management practices
25 achieves the goals of pollution prevention through the MS4 and promotes the goal of
26 environmental stewardship by improving the water quality of receiving waters. The
27 amendment is also necessary due to the adoption of a new Municipal NPDES Permit by
28 the Los Angeles Regional Water Quality Control Board. The Municipal NPDES Permit

1 implements the federal Phase I NPDES Stormwater Program requirements. These
2 federal requirements include three fundamental elements: (i) a requirement to effectively
3 prohibit non-stormwater discharges through the MS4, (ii) requirements to implement
4 controls to reduce the discharge of pollutants in stormwater, and (iii) other provisions the
5 Los Angeles Water Board has determined appropriate for the control of such pollutants.
6 The newly adopted Municipal NPDES Permit contains updated requirements and
7 specifications, which municipalities covered under this Permit must comply. The
8 amendment makes modification and changes to be in line with the current Municipal
9 NPDES Permit and to better preserve and protect the community and to realize a
10 healthier, cleaner and more viable environment for the City's residents, its workforce and
11 visitors.

12 Section 18.04.020.B.4 – Amendment is necessary on the basis of a local geologic
13 and climatic condition. The City of Long Beach is a densely populated city having
14 buildings and structures constructed over or near a vast array of fault traces resulting
15 from the active Newport-Inglewood fault system that is capable of producing a major
16 earthquake and within a climate system capable of producing major winds, fire and rain
17 related disasters, including but not limited to, those caused by the Santa Ana winds and
18 El Nino (or La Nina) subtropical-like weather. Additionally, construction quality of fences
19 installed without the requirement of a permit is often poor and present safety concerns.
20 The proposed amendment reducing the maximum height of fences constructed of
21 materials other than concrete, masonry, brick, or other similar materials not requiring a
22 permit is required to better limit personal injury and property damage due to geologic and
23 climatic activity and poor construction standards for typically found with unpermitted
24 fences, and therefore needs to be incorporated into the City code to assure that new
25 fences are designed and constructed in accordance with the scope and objectives of the
26 California Building Code, California Residential Code and Long Beach Municipal Code.

27 Sections 18.78.010 thru 18.78.260 – Amendment is necessary on the basis of a
28 local geologic and environmental condition. The City of Long Beach is located over

1 several large oil fields that have had over 6,000 oil wells drilled to date. Such wells,
2 whether active, inactive or abandoned, may pose significant hazards to construction in
3 their vicinity as well as environmental hazards to the soil and water systems surrounding
4 them. The proposed amendment clarifies requirements for construction near existing
5 walls to prevent damage to existing wells, avoid hazardous conditions in buildings and
6 structures, and protect the environment for the City's residents, its workforce and visitors.

7 Sections 18.79.010 thru 18.79.120 – Amendment is necessary on the basis of a
8 local geologic condition. The City of Long Beach is located over several large oil fields
9 that have had over 6,000 oil wells drilled to date. Oil fields and their associated geologic
10 formations can release naturally occurring methane gas, a flammable gas. Methane can
11 collect in enclosed buildings and structures posing significant fire or explosion risk.

12 Construction of new buildings or structures can mitigate such risk with the installation of
13 appropriate measures to minimize the build-up of methane. The proposed amendment
14 clarifies methane gas mitigation requirements for construction of buildings and structures
15 where methane emanates from the ground to reduce the risk of a fire or explosion,
16 protect from personal injury, and protect property.

17 Section 2. Findings and determinations relative to the adoption of
18 administrative amendments, and where appropriate, the adoption of more restrictive
19 Building Standards Code provision amendments to the 2022 Edition of the California
20 Building Code, Part 2, Title 24 of the California Code of Regulations:

21 Section 18.40.010 – Amendment is necessary for local administrative clarification,
22 does not modify a Building Standard as defined in Section 18909(c) of the California
23 Health and Safety Code, and does not require the express findings and determination
24 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
25 Code. Amendment is necessary on the basis of a local topographic condition. The City of
26 Long Beach is a densely populated city having buildings and structures constructed
27 within or near flood-prone areas that are capable of maximizing public and private losses
28 during times of flooding in specified flood hazard areas. The proposed amendment

1 makes modification and changes to better limit personal injury and property damage
2 during times of flooding and to establish criteria for the design and construction of
3 buildings and structures or repair of damaged property before and following a local
4 emergency. Therefore, it needs to be incorporated into the Code to assure that new
5 buildings and structures and additions or alterations to existing buildings or structures are
6 designed and constructed in accordance with the scope and objectives of the California
7 Building Code, California Residential Code and Long Beach Municipal Code.

8 Section 18.40.020 – Amendment is necessary for local administrative clarification,
9 does not modify a Building Standard as defined in Section 18909(c) of the California
10 Health and Safety Code, and does not require the express findings and determination
11 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
12 Code.

13 Section 18.40.040 – Amendment is necessary for local administrative clarification,
14 does not modify a Building Standard as defined in Section 18909(c) of the California
15 Health and Safety Code, and does not require the express findings and determination
16 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
17 Code.

18 Section 18.40.050 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
20 determined by the International Building Code, and in Seismic Design Categories D2 or E
21 as determined by the International Residential Code, which is considered by experts to
22 be one of the most active seismic regions in the world. The proposed amendment
23 requires an automatic sprinkler systems to be installed throughout a building to ensure
24 that a reasonable margin of safety is provided due to the necessity of providing on site
25 fire protection in a seismic emergency when fire department resources could be greatly
26 delayed and overwhelmed and therefore needs to be incorporated into the Code to
27 assure that new buildings and structures and additions or alterations to existing buildings
28 or structures are designed and constructed in accordance with the scope and objectives

1 of the California Building Code.

2 Section 18.40.060 – Amendment is necessary for local administrative clarification,
3 does not modify a Building Standard as defined in Section 18909(c) of the California
4 Health and Safety Code, and does not require the express findings and determination
5 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
6 Code.

7 Section 18.40.070 – Amendment is necessary on the basis of a local geologic
8 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
9 determined by the International Building Code, and in Seismic Design Categories D2 or E
10 as determined by the International Residential Code, which is considered by experts to
11 be one of the most active seismic regions in the world. The proposed amendment to
12 require an automatic sprinkler systems ensures that a reasonable margin of safety is
13 provided due to the necessity of providing on site fire protection in a seismic emergency
14 when fire department resources could be greatly delayed and overwhelmed and therefore
15 needs to be incorporated into the Code to assure that new buildings and structures and
16 additions or alterations to existing buildings or structures are designed and constructed in
17 accordance with the scope and objectives of the California Building Code.

18 Section 18.40.080 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
20 determined by the International Building Code, and in Seismic Design Categories D2 or E
21 as determined by the International Residential Code, which is considered by experts to
22 be one of the most active seismic regions in the world. The proposed amendment to
23 require an automatic sprinkler systems ensures that a reasonable margin of safety is
24 provided due to the necessity of providing on site fire protection in a seismic emergency
25 when fire department resources could be greatly delayed and overwhelmed and therefore
26 needs to be incorporated into the Code to assure that new buildings and structures and
27 additions or alterations to existing buildings or structures are designed and constructed in
28 accordance with the scope and objectives of the California Building Code.

1 Section 18.40.085 – Amendment is necessary for local administrative clarification,
2 does not modify a Building Standard as defined in Section 18909(c) of the California
3 Health and Safety Code, and does not require the express findings and determination
4 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
5 Code.

6 Section 18.40.090 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
8 determined by the International Building Code, and in Seismic Design Categories D2 or E
9 as determined by the International Residential Code, which is considered by experts to
10 be one of the most active seismic regions in the world. The proposed amendment to
11 require a safety factor for hydraulic calculation ensures that a reasonable margin of
12 safety is provided due to the necessity of providing on site fire protection in a seismic
13 emergency when fire department resources could be greatly delayed and overwhelmed
14 and therefore needs to be incorporated into the Code to assure that new buildings and
15 structures and additions or alterations to existing buildings or structures are designed and
16 constructed in accordance with the scope and objectives of the California Building Code.

17 Sections 18.40.100 to 18.40.110 – Amendment is necessary for local
18 administrative clarification, does not modify a Building Standard as defined in Section
19 18909(c) of the California Health and Safety Code, and does not require the express
20 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the
21 California Health and Safety Code.

22 Section 18.40.120 – Amendment is necessary on the basis of a local geologic
23 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
24 determined by the International Building Code, and in Seismic Design Categories D2 or E
25 as determined by the International Residential Code, which is considered by experts to
26 be one of the most active seismic regions in the world. The proposed amendment to
27 specify a requirement for alarm devices ensures that a reasonable margin of safety is
28 provided due to the necessity of providing on site fire protection in a seismic emergency

1 when fire department resources could be greatly delayed and overwhelmed and therefore
2 needs to be incorporated into the Code to assure that new buildings and structures and
3 additions or alterations to existing buildings or structures are designed and constructed in
4 accordance with the scope and objectives of the California Fire Code.

5 Section 18.40.130 – Amendment is necessary for local administrative clarification,
6 does not modify a Building Standard as defined in Section 18909(c) of the California
7 Health and Safety Code, and does not require the express findings and determination
8 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
9 Code.

10 Section 18.40.140 – Amendment is necessary on the basis of a local geologic
11 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
12 determined by the International Building Code, and in Seismic Design Categories D2 or E
13 as determined by the International Residential Code, which is considered by experts to
14 be one of the most active seismic regions in the world. The proposed amendment
15 requires a higher psi design at the discharge to ensure that a reasonable margin of safety
16 is provided due to the necessity of providing on site fire protection in a seismic
17 emergency when fire department resources could be greatly delayed and overwhelmed
18 and therefore needs to be incorporated into the Code to assure that new buildings and
19 structures and additions or alterations to existing buildings or structures are designed and
20 constructed in accordance with the scope and objectives of the California Fire Code.

21 Sections 18.40.150 to 18.40.170 – Amendment is necessary for local
22 administrative clarification, does not modify a Building Standard as defined in Section
23 18909(c) of the California Health and Safety Code, and does not require the express
24 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the
25 California Health and Safety Code.

26 Section 18.40.180 – Amendment is necessary on the basis of a local geologic
27 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
28 determined by the International Building Code, and in Seismic Design Categories D2 or E

1 as determined by the International Residential Code, which is considered by experts to
2 be one of the most active seismic regions in the world. The proposed amendment to
3 require fire alarm(s) ensures that a reasonable margin of safety is provided due to the
4 necessity of providing on site fire protection in a seismic emergency when fire department
5 resources could be greatly delayed and overwhelmed and therefore needs to be
6 incorporated into the Code to assure that new buildings and structures and additions or
7 alterations to existing buildings or structures are designed and constructed in accordance
8 with the scope and objectives of the California Fire Code.

9 Section 18.40.190 – Amendment is necessary on the basis of a local geologic
10 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
11 determined by the International Building Code, and in Seismic Design Categories D2 or E
12 as determined by the International Residential Code, which is considered by experts to
13 be one of the most active seismic regions in the world. The proposed amendment to
14 require smoke removal systems ensures that a reasonable margin of safety is provided
15 due to the necessity of providing on site fire protection in a seismic emergency when fire
16 department resources could be greatly delayed and overwhelmed and therefore needs to
17 be incorporated into the Code to assure that new buildings and structures and additions
18 or alterations to existing buildings or structures are designed and constructed in
19 accordance with the scope and objectives of the California Fire Code.

20 Sections 18.40.200 to 18.40.210 – Amendment is necessary for local
21 administrative clarification, does not modify a Building Standard as defined in Section
22 18909(c) of the California Health and Safety Code, and does not require the express
23 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the
24 California Health and Safety Code.

25 Section 18.40.220 – Amendment is necessary on the basis of a local geologic
26 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
27 determined by the International Building Code, and in Seismic Design Categories D2 or E
28 as determined by the International Residential Code, which is considered by experts to

1 be one of the most active seismic regions in the world. The proposed amendment to
2 specify requirements for fire department connections ensures that a reasonable margin of
3 safety is provided due to the necessity of providing on site fire protection in a seismic
4 emergency when fire department resources could be greatly delayed and overwhelmed
5 and therefore needs to be incorporated into the Code to assure that new buildings and
6 structures and additions or alterations to existing buildings or structures are designed and
7 constructed in accordance with the scope and objectives of the California Fire Code.

8 Sections 18.40.230 to 18.40.260 – Amendment is necessary for local
9 administrative clarification, does not modify a Building Standard as defined in Section
10 18909(c) of the California Health and Safety Code, and does not require the express
11 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the
12 California Health and Safety Code.

13 Section 18.40.270 – Amendment is necessary for local administrative clarification,
14 does not modify a Building Standard as defined in Section 18909(c) of the California
15 Health and Safety Code, and does not require the express findings and determination
16 required by Sections 17922, 17958, and 17958.5 of the California Health and Safety
17 Code as permitted by Section 17958.1 of the California Health and Safety Code. The City
18 of Long Beach is a densely populated city with a documented housing shortage due to a
19 lack of sufficient housing production. The housing shortage contributes to
20 disproportionately high rates of housing unaffordability and overcrowding in the City.
21 Forty-three percent of all Long Beach households are housing cost burdened, and over
22 twenty thousand households in Long Beach experience overcrowding due to a lack of
23 sufficient housing units, as detailed in the City's Housing Element. Facilitating housing
24 production, including units of all sizes, is one of the key strategies for mitigating housing
25 cost escalations and relieving overcrowding. The proposed amendment makes
26 modification and changes to the minimum size of efficiency dwelling units and therefore
27 needs to be incorporated into the code to assure that new buildings and structures and
28 additions or alterations to existing buildings or structures are designed and constructed in

1 accordance with the scope and objectives of the California Building Code and Long
2 Beach Municipal Code.

3 Section 18.40.280 – Amendment is necessary on the basis of a local topographic
4 condition. The City of Long Beach is a densely populated city having buildings and
5 structures constructed within or near flood-prone areas that are capable of maximizing
6 public and private losses during times of flooding in specified flood hazard areas. The
7 proposed amendment makes modification and changes to better limit personal injury and
8 property damage during times of flooding and to establish criteria for the design and
9 construction of buildings and structures or repair of damaged property before and
10 following a local emergency. Therefore, it needs to be incorporated into the Code to
11 assure that new buildings and structures and additions or alterations to existing buildings
12 or structures are designed and constructed in accordance with the scope and objectives
13 of the California Building Code, California Residential Code and Long Beach Municipal
14 Code.

15 Section 18.40.290 – Amendment is necessary for local administrative clarification,
16 does not modify a Building Standard as defined in Section 18909(c) of the California
17 Health and Safety Code, and does not require the express findings and determination
18 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
19 Code. The proposed amendment makes minor editorial changes to reflect the
20 appropriate reference to the City's Municipal Code for flood related inspections and
21 therefore needs to be incorporated into the Code to assure that new buildings and
22 structures and additions or alterations to existing buildings or structures are designed and
23 constructed in accordance with the scope and objectives of the California Building Code.

24 Section 18.40.300 – Amendment is necessary on the basis of a local geologic
25 condition. The City of Long Beach is a densely populated city having buildings and
26 structures constructed over or near a vast array of fault traces resulting from the active
27 Newport-Inglewood fault system that are capable of producing a major earthquake. The
28 proposed amendment to limit mixed structural systems to two stories is intended to

1 improve quality of construction by reducing potential damage that may result from vertical
2 irregularities of the structural system in buildings subject to high seismic load to better
3 limit personal injury and property damage as a result of geologic activity and therefore
4 needs to be incorporated into the Code to assure that new buildings and structures and
5 additions or alterations to existing buildings or structures are designed and constructed in
6 accordance with the scope and objectives of the California Building Code.

7 Section 18.40.310 – Amendment is necessary on the basis of a local geologic
8 condition. The City of Long Beach is a densely populated city having buildings and
9 structures constructed over or near a vast array of fault traces resulting from the active
10 Newport-Inglewood fault system that is capable of producing a major earthquake. The
11 proposed amendment to limit mixed structural systems to two stories is intended to
12 improve quality of construction by reducing potential damages that may result from
13 vertical irregularities of the structural system in buildings subject to high seismic load to
14 better limit personal injury and property damage as a result of geologic activity and
15 therefore needs to be incorporated into the Code to assure that new buildings and
16 structures and additions or alterations to existing buildings or structures are designed and
17 constructed in accordance with the scope and objectives of the California Building Code.

18 Section 18.40.320 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is a densely populated city having buildings and
20 structures constructed over or near a vast array of fault traces resulting from the active
21 Newport-Inglewood fault system that is capable of producing a major earthquake. The
22 proposed amendment to require special anchorage of the diaphragm to the wall and limit
23 the allowable shear will addresses special needs for concrete and masonry construction
24 with flexible wood diaphragms the amendment makes modification and changes to better
25 limit personal injury and property damage as a result of seismic activity and therefore
26 needs to be incorporated into the Code to assure that new buildings and structures and
27 additions or alterations to existing buildings or structures are designed and constructed in
28 accordance with the scope and objectives of the California Building Code.

Sections 18.40.330 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that are capable of producing a major earthquake. The proposed amendment requiring safe design and construction requirements for ceiling suspension systems to resist seismic loads is intended to minimize the amount of damage within a building and along the path of the means of egress to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the Code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.340 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that are capable of producing a major earthquake. The proposed amendment to require that the registered design professional in responsible charge of the structural design to observe the construction will help to ensure that an acceptable standard of workmanship are provided, will improve the quality of the observation to better limit personal injury and property damage as a result of geologic activity and therefore, needs to be incorporated into the Code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.350 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that are capable of producing a major earthquake. The proposed amendment to require the registered design professional in responsible charge

1 for the structural design to observe the construction will help ensure acceptable
2 standards of workmanship are provided, to improve the quality of the observation to
3 better limit personal injury and property damage as a result of geologic activity and
4 therefore needs to be incorporated into the Code to assure that new buildings and
5 structures and additions or alterations to existing buildings or structures are designed and
6 constructed in accordance with the scope and objectives of the California Building Code.

7 Section 18.40.360 – Amendment is necessary on the basis of a local geologic
8 condition. The City of Long Beach is a densely populated city having buildings and
9 structures constructed over or near a vast array of fault traces resulting from the active
10 Newport-Inglewood fault system that are capable of producing a major earthquake. The
11 proposed amendment ensures better performance of a building or structure by requiring
12 special inspection for concrete with a compressive strength greater than 2,500 pounds
13 per square inch to better limit personal injury and property damage as a result of geologic
14 activity and therefore needs to be incorporated into the Code to assure that new buildings
15 and structures and additions or alterations to existing buildings or structures are designed
16 and constructed in accordance with the scope and objectives of the California Building
17 Code.

18 Section 18.40.370 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is a densely populated city having buildings and
20 structures constructed over or near a vast array of fault traces resulting from the active
21 Newport-Inglewood fault system that are capable of producing a major earthquake. The
22 proposed amendment to exclude structures assigned to Seismic Design Category D, E or
23 F from being exempt from requiring special inspections will improve quality assurance
24 and ensures better performance of buildings or structures to better limit personal injury
25 and property damage as a result of geologic activity and therefore needs to be
26 incorporated into the Code to assure that new buildings and structures and additions or
27 alterations to existing buildings or structures are designed and constructed in accordance
28 with the scope and objectives of the California Building Code.

1 Section 18.40.380 – Amendment is necessary for local administrative clarification,
2 does not modify a Building Standard as defined in Section 18909(c) of the California
3 Health and Safety Code, and does not require the express findings and determination
4 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
5 Code.

6 Sections 18.40.390 – Amendment is necessary on the basis of a local geologic
7 and climatic conditions. The City of Long Beach is a densely populated city having
8 buildings and structures constructed over or near a vast array of fault traces resulting
9 from the active Newport-Inglewood fault system that are capable of producing a major
10 earthquake. The City of Long Beach is a densely populated city having buildings and
11 structures constructed within a climate system capable of producing major winds, fire and
12 rain related disasters, including but not limited to those caused by the Santa Ana winds
13 and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes the
14 precautionary steps to reduce or eliminate potential problems that may result in using
15 wood foundation systems that experience relatively rapid decay due to the fact that the
16 region does not experience temperatures cold enough to destroy or retard the growth and
17 proliferation of wood-destroying organisms to better limit personal injury and property
18 damage as a result of geologic or climatic activity and therefore needs to be incorporated
19 into the Code to assure that new buildings and structures and additions or alterations to
20 existing buildings or structures are designed and constructed in accordance with the
21 scope and objectives of the California Building Code.

22 Section 18.40.400 – Amendment is necessary on the basis of a local geologic
23 condition. The City of Long Beach is a densely populated city having buildings and
24 structures constructed over or near a vast array of fault traces resulting from the active
25 Newport-Inglewood fault system that are capable of producing a major earthquake. The
26 proposed amendment to reduce or eliminate potential problems that may result by
27 following prescriptive design provisions that do not take into consideration the
28 surrounding environment to better limit personal injury and property damage as a result

1 of geologic activity and therefore needs to be incorporated into the Code to assure that
2 new buildings and structures and additions or alterations to existing buildings or
3 structures are designed and constructed in accordance with the scope and objectives of
4 the California Building Code.

5 Section 18.40.410 – Amendment is necessary on the basis of a local geologic and
6 climatic conditions. The City of Long Beach is a densely populated city having buildings
7 and structures constructed over or near a vast array of fault traces resulting from the
8 active Newport-Inglewood fault system that are capable of producing a major earthquake.
9 The City of Long Beach is a densely populated city having buildings and structures
10 constructed within a climate system capable of producing major winds, fire and rain
11 related disasters, including but not limited to those caused by the Santa Ana winds and El
12 Nino (or La Nina) subtropical-like weather. The proposed amendment prohibits the use
13 of wood foundation systems as well as limits prescriptive design provisions in an effort to
14 mitigate potential problems or deficiencies due to the proliferation of wood-destroying
15 organisms to better limit personal injury and property damage as a result of geologic
16 activity and therefore needs to be incorporated into the Code to assure that new buildings
17 and structures and additions or alterations to existing buildings or structures are designed
18 and constructed in accordance with the scope and objectives of the California Building
19 Code.

20 Section 18.40.420 – Amendment is necessary on the basis of a local geologic and
21 climatic conditions. The City of Long Beach is a densely populated city having buildings
22 and structures constructed over or near a vast array of fault traces resulting from the
23 active Newport-Inglewood fault system that are capable of producing a major earthquake.
24 The City of Long Beach is a densely populated city having buildings and structures
25 constructed within a climate system capable of producing major winds, fire and rain
26 related disasters, including but not limited to those caused by the Santa Ana winds and El
27 Nino (or La Nina) subtropical-like weather. The proposed amendment takes
28 precautionary steps to reduce or eliminate potential problems that may result in using

1 wood foundation systems that experience relatively rapid decay due to the fact that the
2 region does not experience temperatures cold enough to destroy or retard the growth and
3 proliferation of wood-destroying organisms to better limit personal injury and property
4 damage as a result of geologic or climatic activity and therefore needs to be incorporated
5 into the Code to assure that new buildings and structures and additions or alterations to
6 existing buildings or structures are designed and constructed in accordance with the
7 scope and objectives of the California Building Code.

8 Section 18.40.430 – Amendment is necessary on the basis of a local geologic
9 condition. The City of Long Beach is a densely populated city having buildings and
10 structures constructed over or near a vast array of fault traces resulting from the active
11 Newport-Inglewood fault system that are capable of producing a major earthquake. The
12 proposed amendment to reduce or eliminate potential problems that may result from
13 under reinforced footings located on sloped surfaces to better limit personal injury and
14 property damage as a result of geologic activity and therefore needs to be incorporated
15 into the Code to assure that new buildings and structures and additions or alterations to
16 existing buildings or structures are designed and constructed in accordance with the
17 scope and objectives of the California Building Code.

18 Section 18.40.440 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is a densely populated city having buildings and
20 structures constructed over or near a vast array of fault traces resulting from the active
21 Newport-Inglewood fault system that are capable of producing a major earthquake. The
22 proposed amendment to address the problem of poor performance of plain or under-
23 reinforced footings to better limit personal injury and property damage as a result of
24 geologic activity and therefore needs to be incorporated into the Code to assure that new
25 buildings and structures and additions or alterations to existing buildings or structures are
26 designed and constructed in accordance with the scope and objectives of the California
27 Building Code.

28 Sections 18.40.450 – Amendment is necessary on the basis of a local geologic

1 and climatic condition. The City of Long Beach is a densely populated city having
2 buildings and structures constructed over or near a vast array of fault traces resulting
3 from the active Newport-Inglewood fault system that are capable of producing a major
4 earthquake and constructed within a climate system capable of producing major winds,
5 fire and rain related disasters, including but not limited to those caused by the Santa Ana
6 winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes
7 the precautionary step to reduce or eliminate potential problems that may result by using
8 timber footings that experience relatively rapid decay due to the fact that the region does
9 not experience temperatures cold enough to destroy or retard the growth and proliferation
10 of wood-destroying organisms to better limit personal injury and property damage as a
11 result of geologic or climatic activity and therefore needs to be incorporated into the Code
12 to assure that new buildings and structures and additions or alterations to existing
13 buildings or structures are designed and constructed in accordance with the scope and
14 objectives of the California Building Code.

15 Section 18.40.460 – Amendment is necessary on the basis of a local geologic and
16 climatic condition. The City of Long Beach is a densely populated city having buildings
17 and structures constructed over or near a vast array of fault traces resulting from the
18 active Newport-Inglewood fault system that are capable of producing a major earthquake
19 and within a climate system capable of producing major winds, fire and rain related
20 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
21 (or La Nina) subtropical-like weather. The proposed amendment takes the precautionary
22 step to reduce or eliminate potential problems that may result by using timber footings
23 that experience relatively rapid decay due to the fact that the region does not experience
24 temperatures cold enough to destroy or retard the growth and proliferation of wood-
25 destroying organisms to better limit personal injury and property damage as a result of
26 geologic or climatic activity and therefore needs to be incorporated into the Code to
27 assure that new buildings and structures and additions or alterations to existing buildings
28 or structures are designed and constructed in accordance with the scope and objectives

1 of the California Building Code.

2 Section 18.40.470 – Amendment is necessary on the basis of a local geologic
3 condition. The City of Long Beach is a densely populated city having buildings and
4 structures constructed over or near a vast array of fault traces resulting from the active
5 Newport-Inglewood fault system that are capable of producing a major earthquake. The
6 proposed amendment requires minimum reinforcement to address the problem of poor
7 performance of plain or under-reinforced footings to better limit personal injury and
8 property damage as a result of geologic activity and therefore needs to be incorporated
9 into the Code to assure that new buildings and structures and additions or alterations to
10 existing buildings or structures are designed and constructed in accordance with the
11 scope and objectives of the California Building Code.

12 Section 18.40.480 – Amendment is necessary on the basis of a local geologic
13 condition. The City of Long Beach is a densely populated city having buildings and
14 structures constructed over or near a vast array of fault traces resulting from the active
15 Newport-Inglewood fault system that are capable of producing a major earthquake. The
16 proposed amendment to increase confinement in critical columns, limiting the use of
17 highly gravity loaded walls, and increase concrete coverage in thin slabs is intended to
18 prevent failure of the structure and to better limit personal injury and property damage as
19 a result of geologic activity and therefore needs to be incorporated into the Code to
20 assure that new buildings and structures and additions or alterations to existing buildings
21 or structures are designed and constructed in accordance with the scope and objectives
22 of the California Building Code.

23 Section 18.40.490 – Amendment is necessary on the basis of a local geologic
24 condition. The City of Long Beach is a densely populated city having buildings and
25 structures constructed over or near a vast array of fault traces that are capable of
26 producing a major earthquake. The proposed amendment limit the use of staple
27 fasteners in resisting or transferring seismic forces to better limit personal injury and
28 property damage as a result of seismic activity and therefore needs to be incorporated

1 into the Code to assure that new buildings and structures and additions or alterations to
2 existing buildings or structures are designed and constructed in accordance with the
3 scope and objectives of the California Building Code.

4 Section 18.40.500 – Amendment is necessary on the basis of a local geologic
5 condition. The City of Long Beach is a densely populated city having buildings and
6 structures constructed over or near a vast array of fault traces resulting from the active
7 Newport-Inglewood fault system that are capable of producing a major earthquake. The
8 proposed amendment limits or prohibits the shear value of overdriven nails or the use of
9 box and clipped head nails to better limit personal injury and property damage as a result
10 of geologic activity and therefore needs to be incorporated into the Code to assure that
11 new buildings and structures and additions or alterations to existing buildings or
12 structures are designed and constructed in accordance with the scope and objectives of
13 the California Building Code.

14 Sections 18.40.510 – Amendment is necessary on the basis of a local geologic
15 and climatic condition. The City of Long Beach is a densely populated city having
16 buildings and structures constructed over or near a vast array of fault traces resulting
17 from the active Newport-Inglewood fault system that are capable of producing a major
18 earthquake and within a climate system capable of producing major winds, fire and rain
19 related disasters, including but not limited to those caused by the Santa Ana winds and El
20 Nino (or La Nina) subtropical-like weather. The proposed amendment to reduce or
21 eliminate potential problems that may result by using wood in retaining or crib walls that
22 experience relatively rapid decay due to the fact that the region does not experience
23 temperatures cold enough to destroy or retard the growth and proliferation of wood-
24 destroying organisms to better limit personal injury and property damage as a result of
25 geologic or climatic activity and therefore needs to be incorporated into the Code to
26 assure that new buildings and structures and additions or alterations to existing buildings
27 or structures are designed and constructed in accordance with the scope and objectives
28 of the California Building Code.

1 Section 18.40.520 – Amendment is necessary on the basis of a local geologic
2 condition. The City of Long Beach is a densely populated city having buildings and
3 structures constructed over or near a vast array of fault traces resulting from the active
4 Newport-Inglewood fault system that are capable of producing a major earthquake. The
5 proposed amendment limits the allowable capacity of hold-downs to 75% of the
6 acceptance report value to provide an additional factor of safety for statically tested
7 anchorage devices to better limit personal injury and property damage as a result of
8 geologic activity and therefore need to be incorporated into the Code to assure that new
9 buildings and structures and additions or alterations to existing buildings or structures are
10 designed and constructed in accordance with the scope and objectives of the California
11 Building Code.

12 Section 18.40.530 – Amendment is necessary on the basis of a local geologic
13 condition. The City of Long Beach is a densely populated city having buildings and
14 structures constructed over or near a vast array of fault traces resulting from the active
15 Newport-Inglewood fault system that is capable of producing a major earthquake. The
16 proposed amendment reduces allowable shear values in wood structural panel shear
17 walls or diaphragms that were not substantiated by cyclic testing to better limit personal
18 injury and property damage as a result of geologic activity and therefore needs to be
19 incorporated into the Code to assure that new buildings and structures and additions or
20 alterations to existing buildings or structures are designed and constructed in accordance
21 with the scope and objectives of the California Building Code.

22 Sections 18.40.540 – Amendment is necessary on the basis of a local geologic
23 condition. The City of Long Beach is a densely populated city having buildings and
24 structures constructed over or near a vast array of fault traces resulting from the active
25 Newport-Inglewood fault system that are capable of producing a major earthquake. The
26 proposed amendment reduces allowable shear values in wood structural panel shear
27 walls or diaphragms that were not substantiated by cyclic testing to better limit personal
28 injury and property damage as a result of geologic activity and therefore needs to be

1 incorporated into the Code to assure that new buildings and structures and additions or
2 alterations to existing buildings or structures are designed and constructed in accordance
3 with the scope and objectives of the California Building Code.

4 Section 18.40.550 – Amendment is necessary on the basis of a local geologic
5 condition. The City of Long Beach is a densely populated city having buildings and
6 structures constructed over or near a vast array of fault traces resulting from the active
7 Newport-Inglewood fault system that are capable of producing a major earthquake. The
8 proposed amendment reduces allowable shear values in wood structural panel shear
9 walls or diaphragms that were not substantiated by cyclic testing to better limit personal
10 injury and property damage as a result of geologic activity and therefore needs to be
11 incorporated into the Code to assure that new buildings and structures and additions or
12 alterations to existing buildings or structures are designed and constructed in accordance
13 with the scope and objectives of the California Building Code.

14 Section 18.40.560 – Amendment is necessary on the basis of a local geologic
15 condition. The City of Long Beach is a densely populated city having buildings and
16 structures constructed over or near a vast array of fault traces resulting from the active
17 Newport-Inglewood fault system that are capable of producing a major earthquake. The
18 proposed amendment specifies a minimum sheathing thickness and nail size and
19 spacing so as to provide a uniform standard of construction for designers and builders to
20 better limit personal injury and property damage as a result of seismic activity and
21 therefore needs to be incorporated into the Code to assure that new buildings and
22 structures and additions or alterations to existing buildings or structures are designed and
23 constructed in accordance with the scope and objectives of the California Building Code.

24 Section 18.40.570 – Amendment is necessary on the basis of a local geologic
25 condition. The City of Long Beach is a densely populated city having buildings and
26 structures constructed over or near a vast array of fault traces resulting from the active
27 Newport-Inglewood fault system that are capable of producing a major earthquake. The
28 proposed amendment specifies a minimum sheathing thickness and nail size and

1 spacing so as to provide a uniform standard of construction for designers and builders to
2 better limit personal injury and property damage as a result of seismic activity and
3 therefore needs to be incorporated into the Code to assure that new buildings and
4 structures and additions or alterations to existing buildings or structures are designed and
5 constructed in accordance with the scope and objectives of the California Building Code.

6 Section 18.40.580 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is a densely populated city having buildings and
8 structures constructed over or near a vast array of fault traces resulting from the active
9 Newport-Inglewood fault system that are capable of producing a major earthquake. The
10 proposed amendment specifies a minimum sheathing thickness and nail size and
11 spacing so as to provide a uniform standard of construction for designers and builders to
12 better limit personal injury and property damage as a result of seismic activity and
13 therefore needs to be incorporated into the Code to assure that new buildings and
14 structures and additions or alterations to existing buildings or structures are designed and
15 constructed in accordance with the scope and objectives of the California Building Code.

16 Section 18.40.590 – Amendment is necessary on the basis of a local geologic
17 condition. The City of Long Beach is a densely populated city having buildings and
18 structures constructed over or near a vast array of fault traces resulting from the active
19 Newport-Inglewood fault system that are capable of producing a major earthquake. The
20 proposed amendment limits the use of the exception provisions to structures assigned to
21 Seismic Design Category A, B or C where lower seismic demands are expected and
22 requires that interior braced walls be supported by continuous foundations to better limit
23 personal injury and property damage as a result of geologic activity and therefore needs
24 to be incorporated into the Code to assure that new buildings and structures and
25 additions or alterations to existing buildings or structures are designed and constructed in
26 accordance with the scope and objectives of the California Building Code.

27 Section 18.40.600 – Amendment is necessary on the basis of a local geologic
28 condition. The City of Long Beach is a densely populated city having buildings and

1 structures constructed over or near a vast array of fault traces that are capable of
2 producing a major earthquake. The proposed amendment limits the use of staple
3 fasteners in resisting or transferring seismic forces to better limit personal injury and
4 property damage as a result of seismic activity and therefore needs to be incorporated
5 into the Code to assure that new buildings and structures and additions or alterations to
6 existing buildings or structures are designed and constructed in accordance with the
7 scope and objectives of the California Building Code.

8 Section 18.40.610 – Amendment is necessary for local administrative clarification,
9 does not modify a Building Standard as defined in Section 18909(c) of the California
10 Health and Safety Code, and does not require the express findings and determination
11 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
12 Code.

13 Sections 18.40.620 – Amendment is necessary for local administrative
14 clarification, does not modify a Building Standard as defined in Section 18909(c) of the
15 California Health and Safety Code, and does not require the express findings and
16 determination required by Sections 17958, 17958.5 and 17958.7 of the California Health
17 and Safety Code.

18 Section 18.40.630 – Amendment is necessary on the basis of a local geologic and
19 climatic condition. The City of Long Beach is a densely populated city having buildings
20 and structures constructed over or near a vast array of fault traces resulting from the
21 active Newport-Inglewood fault system that are capable of producing a major earthquake
22 and within a climate system capable of producing major winds, fire and rain related
23 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
24 (or La Nina) subtropical-like weather. The City is further impacted by the construction of
25 buildings and structures utilizing traditional construction materials that impact the amount
26 of energy, air quality, greenhouse gas emissions and construction waste in the area. The
27 proposed amendment to address structural designs specific to intermodal shipping
28 containers, reduces environmental impact of unused and unrecycled intermodal shipping

containers, and increases sustainability by reducing consumption of traditional construction materials are intended to better limit personal injury and property damage as a result of geologic and climatic activity and therefore needs to be incorporated into the Code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.650 – Amendment is necessary for local administrative clarification, does not modify a Building Standard as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas, are subject to the requirements of Section 1612 and Appendix G or Section R322 and therefore need to be incorporated into the Code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.660 – Amendment is necessary for local administrative clarification, does not modify a Building Standard as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas, are subject to the requirements of Section 1612 and Appendix G or Section R322 and therefore need to be incorporated into the Code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in

1 accordance with the scope and objectives of the California Building Code, California
2 Residential Code, and Long Beach Municipal Code.

3 Section 18.40.670 – Amendment is necessary for local administrative clarification,
4 does not modify a Building Standard as defined in Section 18909(c) of the California
5 Health and Safety Code, and does not require the express findings and determination
6 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
7 Code. The proposed amendment clarifies that any new construction, substantial
8 improvement of existing buildings or structures, or repair of existing buildings or
9 structures that have sustained substantial damage in flood hazard areas, are subject to
10 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
11 be incorporated into the Code to assure that new buildings and structures and additions
12 or alterations to existing buildings or structures are designed and constructed in
13 accordance with the scope and objectives of the California Building Code, California
14 Residential Code, and Long Beach Municipal Code.

15 Section 18.40.680 – Amendment is necessary for local administrative clarification,
16 does not modify a Building Standard as defined in Section 18909(c) of the California
17 Health and Safety Code, and does not require the express findings and determination
18 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
19 Code. The proposed amendment clarifies that any new construction, substantial
20 improvement of existing buildings or structures, or repair of existing buildings or
21 structures that have sustained substantial damage in flood hazard areas, are subject to
22 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
23 be incorporated into the Code to assure that new buildings and structures and additions
24 or alterations to existing buildings or structures are designed and constructed in
25 accordance with the scope and objectives of the California Building Code, California
26 Residential Code, and Long Beach Municipal Code.

27 Section 18.40.690 – Amendment is necessary for local administrative clarification,
28 does not modify a Building Standard as defined in Section 18909(c) of the California

1 Health and Safety Code, and does not require the express findings and determination
2 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
3 Code. The proposed amendment clarifies that any new construction, substantial
4 improvement of existing buildings or structures, or repair of existing buildings or
5 structures that have sustained substantial damage in flood hazard areas, are subject to
6 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
7 be incorporated into the Code to assure that new buildings and structures and additions
8 or alterations to existing buildings or structures are designed and constructed in
9 accordance with the scope and objectives of the California Building Code, California
10 Residential Code, and Long Beach Municipal Code.

11 Section 18.40.700 – Amendment is necessary on the basis of a local topographic
12 condition. The City of Long Beach is a densely populated city having buildings and
13 structures constructed within or near flood-prone areas that are capable of maximizing
14 public and private losses during times of flooding in specified flood hazard areas. The
15 proposed amendment makes modifications and changes to better limit personal injury
16 and property damage during times of flooding and to establish criteria for the design and
17 construction of buildings and structures or repair of damaged property before and
18 following a local emergency. Therefore, it needs to be incorporated into the Code to
19 assure that new buildings and structures and additions or alterations to existing buildings
20 or structures are designed and constructed in accordance with the scope and objectives
21 of the California Building Code, California Residential Code and Long Beach Municipal
22 Code.

23 Section 18.40.710 – Amendment is necessary for local administrative clarification,
24 does not modify a Building Standard as defined in Section 18909(c) of the California
25 Health and Safety Code, and does not require the express findings and determination
26 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
27 Code. The proposed amendment clarifies that any new construction, substantial
28 improvement of existing buildings or structures, or repair of existing buildings or

1 structures that have sustained substantial damage in flood hazard areas, are subject to
2 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
3 be incorporated into the Code to assure that new buildings and structures and additions
4 or alterations to existing buildings or structures are designed and constructed in
5 accordance with the scope and objectives of the California Building Code, California
6 Residential Code, and Long Beach Municipal Code.

7 Section 18.40.720 – Amendment is necessary for local administrative clarification,
8 does not modify a Building Standard as defined in Section 18909(c) of the California
9 Health and Safety Code, and does not require the express findings and determination
10 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
11 Code. The proposed amendment clarifies that any new construction, substantial
12 improvement of existing buildings or structures, or repair of existing buildings or
13 structures that have sustained substantial damage in flood hazard areas, are subject to
14 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
15 be incorporated into the Code to assure that new buildings and structures and additions
16 or alterations to existing buildings or structures are designed and constructed in
17 accordance with the scope and objectives of the California Building Code, California
18 Residential Code, and Long Beach Municipal Code.

19 Section 18.40.730 – Amendment is necessary for local administrative clarification,
20 does not modify a Building Standard as defined in Section 18909(c) of the California
21 Health and Safety Code, and does not require the express findings and determination
22 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
23 Code. The proposed amendment clarifies that any new construction, substantial
24 improvement of existing buildings or structures, or repair of existing buildings or
25 structures that have sustained substantial damage in flood hazard areas, are subject to
26 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
27 be incorporated into the Code to assure that new buildings and structures and additions
28 or alterations to existing buildings or structures are designed and constructed in

1 accordance with the scope and objectives of the California Building Code, California
2 Residential Code, and Long Beach Municipal Code.

3 Section 18.40.740 – Amendment is necessary for local administrative clarification,
4 does not modify a Building Standard as defined in Section 18909(c) of the California
5 Health and Safety Code, and does not require the express findings and determination
6 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
7 Code. The proposed amendment clarifies that any new construction, substantial
8 improvement of existing buildings or structures, or repair of existing buildings or
9 structures that have sustained substantial damage in flood hazard areas, are subject to
10 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
11 be incorporated into the Code to assure that new buildings and structures and additions
12 or alterations to existing buildings or structures are designed and constructed in
13 accordance with the scope and objectives of the California Building Code, California
14 Residential Code, and Long Beach Municipal Code.

15 Section 18.40.750 – Amendment is necessary for local administrative clarification,
16 does not modify a Building Standard as defined in Section 18909(c) of the California
17 Health and Safety Code, and does not require the express findings and determination
18 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
19 Code. The proposed amendment clarifies that any new construction, substantial
20 improvement of existing buildings or structures, or repair of existing buildings or
21 structures that have sustained substantial damage in flood hazard areas, are subject to
22 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
23 be incorporated into the Code to assure that new buildings and structures and additions
24 or alterations to existing buildings or structures are designed and constructed in
25 accordance with the scope and objectives of the California Building Code, California
26 Residential Code, and Long Beach Municipal Code.

27 Section 18.40.760 – Amendment is necessary for local administrative clarification,
28 does not modify a Building Standard as defined in Section 18909(c) of the California

1 Health and Safety Code, and does not require the express findings and determination
2 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
3 Code. The proposed amendment clarifies that any new construction, substantial
4 improvement of existing buildings or structures, or repair of existing buildings or
5 structures that have sustained substantial damage in flood hazard areas, are subject to
6 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
7 be incorporated into the Code to assure that new buildings and structures and additions
8 or alterations to existing buildings or structures are designed and constructed in
9 accordance with the scope and objectives of the California Building Code, California
10 Residential Code, and Long Beach Municipal Code.

11 Section 18.40.770 – Amendment is necessary for local administrative clarification,
12 does not modify a Building Standard as defined in Section 18909(c) of the California
13 Health and Safety Code, and does not require the express findings and determination
14 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
15 Code. The proposed amendment clarifies that any new construction, substantial
16 improvement of existing buildings or structures, or repair of existing buildings or
17 structures that have sustained substantial damage in flood hazard areas, are subject to
18 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
19 be incorporated into the Code to assure that new buildings and structures and additions
20 or alterations to existing buildings or structures are designed and constructed in
21 accordance with the scope and objectives of the California Building Code, California
22 Residential Code, and Long Beach Municipal Code.

23 Section 18.40.780 – Amendment is necessary for local administrative clarification,
24 does not modify a Building Standard as defined in Section 18909(c) of the California
25 Health and Safety Code, and does not require the express findings and determination
26 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
27 Code. The proposed amendment clarifies that any new construction, substantial
28 improvement of existing buildings or structures, or repair of existing buildings or

1 structures that have sustained substantial damage in flood hazard areas, are subject to
2 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
3 be incorporated into the Code to assure that new buildings and structures and additions
4 or alterations to existing buildings or structures are designed and constructed in
5 accordance with the scope and objectives of the California Building Code, California
6 Residential Code, and Long Beach Municipal Code.

7 Section 18.40.790 – Amendment is necessary for local administrative clarification,
8 does not modify a Building Standard as defined in Section 18909(c) of the California
9 Health and Safety Code, and does not require the express findings and determination
10 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
11 Code. The proposed amendment clarifies that any new construction, substantial
12 improvement of existing buildings or structures, or repair of existing buildings or
13 structures that have sustained substantial damage in flood hazard areas, are subject to
14 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
15 be incorporated into the Code to assure that new buildings and structures and additions
16 or alterations to existing buildings or structures are designed and constructed in
17 accordance with the scope and objectives of the California Building Code, California
18 Residential Code, and Long Beach Municipal Code.

19 Section 18.40.800 – Amendment is necessary for local administrative clarification,
20 does not modify a Building Standard as defined in Section 18909(c) of the California
21 Health and Safety Code, and does not require the express findings and determination
22 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
23 Code. The proposed amendment clarifies that any new construction, substantial
24 improvement of existing buildings or structures, or repair of existing buildings or
25 structures that have sustained substantial damage in flood hazard areas, are subject to
26 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
27 be incorporated into the Code to assure that new buildings and structures and additions
28 or alterations to existing buildings or structures are designed and constructed in

1 accordance with the scope and objectives of the California Building Code, California
2 Residential Code, and Long Beach Municipal Code.

3 Section 18.40.810 – Amendment is necessary for local administrative clarification,
4 does not modify a Building Standard as defined in Section 18909(c) of the California
5 Health and Safety Code, and does not require the express findings and determination
6 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
7 Code. The proposed amendment clarifies that any new construction, substantial
8 improvement of existing buildings or structures, or repair of existing buildings or
9 structures that have sustained substantial damage in flood hazard areas, are subject to
10 the requirements of Section 1612 and Appendix G or Section R322 and therefore need to
11 be incorporated into the Code to assure that new buildings and structures and additions
12 or alterations to existing buildings or structures are designed and constructed in
13 accordance with the scope and objectives of the California Building Code, California
14 Residential Code, and Long Beach Municipal Code.

15 Section 3. Findings and determinations relative to the adoption of
16 administrative amendments, and where appropriate, the adoption of more restrictive
17 Building Standards Code provisions amendments to the 2022 Edition of the California
18 Residential Code, Part 2.5, Title 24 of the California Code of Regulations:

19 Sections 18.41.010 – Amendment is necessary for local administrative
20 clarification, does not modify a Building Standard as defined in Section 18909(c) of the
21 California Health and Safety Code, and does not require the express findings and
22 determination required by Sections 17958, 17958.5 and 17958.7 of the California Health
23 and Safety Code. Amendment is necessary on the basis of a local geologic condition.
24 The City of Long Beach is a densely populated city having buildings and structures
25 constructed over or near a vast array of fault traces resulting from the active Newport-
26 Inglewood fault system that are capable of producing a major earthquake. The proposed
27 amendment to prohibit the use of strawbale construction is intended to reduce or
28 eliminate potential damages that may result from the prescriptive design of brittle and

1 non-ductile buildings and structures that are subject to high seismic load to better limit
2 personal injury and property damage as a result of geologic activity and therefore needs
3 to be incorporated into the Code to assure that new buildings and structures and
4 additions or alterations to existing buildings or structures are designed and constructed in
5 accordance with the scope and objectives of the California Residential Code and Long
6 Beach Municipal Code.

7 Section 18.41.020 – Amendment is necessary for local administrative clarification,
8 does not modify a Building Standard as defined in Section 18909(c) of the California
9 Health and Safety Code, and does not require the express findings and determination
10 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
11 Code.

12 Section 18.41.030 – Amendment is necessary on the basis of a local geologic
13 condition. The City of Long Beach is a densely populated city having buildings and
14 structures constructed over or near a vast array of fault traces resulting from the active
15 Newport-Inglewood fault system that are capable of producing a major earthquake. The
16 proposed amendment requires a registered design professional to prepare construction
17 documents that minimize or reduce structural deficiencies that may cause excessive
18 damage or injuries in wood frame buildings and therefore needs to be incorporated into
19 the Code to assure that new buildings and structures and additions or alterations to
20 existing buildings or structures are designed and constructed in accordance with the
21 scope and objectives of the California Residential Code.

22 Section 18.41.040 – Amendment is necessary for local administrative clarification,
23 does not modify a Building Standard as defined in Section 18909(c) of the California
24 Health and Safety Code, and does not require the express findings and determination
25 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
26 Code.

27 Section 18.41.050 – Amendment is necessary on the basis of a local geologic
28 condition. The City of Long Beach is a densely populated city having buildings and

1 structures constructed over or near a vast array of fault traces resulting from the active
2 Newport-Inglewood fault system that are capable of producing a major earthquake. The
3 proposed amendment reduces or eliminates potential problems that may result by limiting
4 the types of irregular conditions to better limit personal injury and property damage as a
5 result of geologic activity and therefore needs to be incorporated into the Code to assure
6 that new buildings and structures and additions or alterations to existing buildings or
7 structures are designed and constructed in accordance with the scope and objectives of
8 the California Residential Code.

9 Section 18.41.060 – Amendment is necessary on the basis of a local geologic
10 condition. The City of Long Beach is a densely populated city having buildings and
11 structures constructed over or near a vast array of fault traces resulting from the active
12 Newport-Inglewood fault system that are capable of producing a major earthquake. The
13 proposed amendment places limits on the equipment weight before requiring the
14 structural member supporting the weight to be designed by a registered design
15 professional that better limits personal injury and property damage as a result of geologic
16 activity and therefore needs to be incorporated into the Code to assure that new buildings
17 and structures and additions or alterations to existing buildings or structures are designed
18 and constructed in accordance with the scope and objectives of the California Residential
19 Code.

20 Section 18.41.070 – Amendment is necessary for local administrative clarification,
21 does not modify a Building Standard as defined in Section 18909(c) of the California
22 Health and Safety Code, and does not require the express findings and determination
23 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
24 Code.

25 Section 18.41.080 – Amendment is necessary on the basis of a local geologic and
26 climatic condition. The City of Long Beach is a densely populated city having buildings
27 and structures constructed over or near a vast array of fault traces resulting from the
28 active Newport-Inglewood fault system that are capable of producing a major earthquake

1 and within a climate system capable of producing major winds, fire and rain related
2 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
3 (or La Nina) subtropical-like weather. The proposed amendment prohibits the use of
4 wood foundations to better limit personal injury and property damage as a result of
5 geologic and climatic activity and therefore needs to be incorporated into the Code to
6 assure that new buildings and structures and additions or alterations to existing buildings
7 or structures are designed and constructed in accordance with the scope and objectives
8 of the California Residential Code.

9 Section 18.41.090 – Amendment is necessary on the basis of a local geologic
10 condition. The City of Long Beach is a densely populated city having buildings and
11 structures constructed over or near a vast array of fault traces resulting from the active
12 Newport-Inglewood fault system that are capable of producing a major earthquake. The
13 proposed amendment requires minimum reinforcement for stepped footings to better limit
14 personal injury and property damage as a result of geologic activity and therefore needs
15 to be incorporated into the Code to assure that new buildings and structures and
16 additions or alterations to existing buildings or structures are designed and constructed in
17 accordance with the scope and objectives of the California Residential Code.

18 Section 18.41.100 – Amendment is necessary on the basis of a local geologic
19 condition. The City of Long Beach is a densely populated city having buildings and
20 structures constructed over or near a vast array of fault traces resulting from the active
21 Newport-Inglewood fault system that are capable of producing a major earthquake. The
22 proposed amendment requires interior braced walls to be supported by continuous
23 foundations to better limit personal injury and property damage as a result of geologic
24 activity and therefore needs to be incorporated into the Code to assure that new buildings
25 and structures and additions or alterations to existing buildings or structures are designed
26 and constructed in accordance with the scope and objectives of the California Residential
27 Code.

28 Section 18.41.110 – Amendment is necessary on the basis of a local geologic

1 condition. The City of Long Beach is a densely populated city having buildings and
2 structures constructed over or near a vast array of fault traces resulting from the active
3 Newport-Inglewood fault system that are capable of producing a major earthquake. The
4 proposed amendment to reduce or eliminate potential problems that may result from
5 under reinforced footings located on sloped surfaces to better limit personal injury and
6 property damage as a result of geologic activity and therefore needs to be incorporated
7 into the Code to assure that new buildings and structures and additions or alterations to
8 existing buildings or structures are designed and constructed in accordance with the
9 scope and objectives of the California Residential Code.

10 Section 18.41.120 – Amendment is necessary on the basis of a local geologic and
11 climatic condition. The City of Long Beach is a densely populated city having buildings
12 and structures constructed over or near a vast array of fault traces resulting from the
13 active Newport-Inglewood fault system that are capable of producing a major earthquake
14 and within a climate system capable of producing major winds, fire and rain related
15 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
16 (or La Nina) subtropical-like weather. The proposed amendment prohibits the use of
17 wood foundation walls to better limit personal injury and property damage as a result of
18 geologic and climatic activity and therefore needs to be incorporated into the Code to
19 assure that new buildings and structures and additions or alterations to existing buildings
20 or structures are designed and constructed in accordance with the scope and objectives
21 of the California Residential Code.

22 Section 18.41.130 – Amendment is necessary on the basis of a local geologic
23 condition. The City of Long Beach is a densely populated city having buildings and
24 structures constructed over or near a vast array of fault traces resulting from the active
25 Newport-Inglewood fault system that are capable of producing a major earthquake. The
26 proposed amendment requires blocking with metal ties around larger floor openings and
27 limiting the opening size to better limit personal injury and property damage as a result of
28 geologic activity and therefore needs to be incorporated into the Code to assure that new

1 buildings and structures and additions or alterations to existing buildings or structures are
2 designed and constructed in accordance with the scope and objectives of the California
3 Residential Code.

4 Section 18.41.140 – Amendment is necessary on the basis of a local geologic
5 condition. The City of Long Beach is a densely populated city having buildings and
6 structures constructed over or near a vast array of fault traces resulting from the active
7 Newport-Inglewood fault system that are capable of producing a major earthquake. The
8 proposed amendment limits the type of fasteners that can be used to better limit personal
9 injury and property damage as a result of geologic activity and therefore needs to be
10 incorporated into the Code to assure that new buildings and structures and additions or
11 alterations to existing buildings or structures are designed and constructed in accordance
12 with the scope and objectives of the California Residential Code.

13 Section 18.41.150 – Amendment is necessary on the basis of a local geologic
14 condition. The City of Long Beach is a densely populated city having buildings and
15 structures constructed over or near a vast array of fault traces resulting from the active
16 Newport-Inglewood fault system that are capable of producing a major earthquake. The
17 proposed amendment prohibits the use of single top plate splice connections to better
18 limit personal injury and property damage as a result of geologic activity and therefore
19 needs to be incorporated into the Code to assure that new buildings and structures and
20 additions or alterations to existing buildings or structures are designed and constructed in
21 accordance with the scope and objectives of the California Residential Code.

22 Section 18.41.160 – Amendment is necessary on the basis of a local geologic
23 condition. The City of Long Beach is a densely populated city having buildings and
24 structures constructed over or near a vast array of fault traces resulting from the active
25 Newport-Inglewood fault system that are capable of producing a major earthquake. The
26 proposed amendment limits the use of staples in a high seismic region to better limit
27 personal injury and property damage as a result of geologic activity and therefore needs
28 to be incorporated into the Code to assure that new buildings and structures and

1 additions or alterations to existing buildings or structures are designed and constructed in
2 accordance with the scope and objectives of the California Residential Code.

3 Section 18.41.170 – Amendment is necessary on the basis of a local geologic
4 condition. The City of Long Beach is a densely populated city having buildings and
5 structures constructed over or near a vast array of fault traces resulting from the active
6 Newport-Inglewood fault system that are capable of producing a major earthquake. The
7 proposed amendment requires a minimum braced wall length in a high seismic region to
8 better limit personal injury and property damage as a result of geologic activity and
9 therefore needs to be incorporated into the Code to assure that new buildings and
10 structures and additions or alterations to existing buildings or structures are designed and
11 constructed in accordance with the scope and objectives of the California Residential
12 Code.

13 Section 18.41.180 – Amendment is necessary on the basis of a local geologic
14 condition. The City of Long Beach is a densely populated city having buildings and
15 structures constructed over or near a vast array of fault traces resulting from the active
16 Newport-Inglewood fault system that are capable of producing a major earthquake. The
17 proposed amendment requires a minimum braced wall length and type in a high seismic
18 region to better limit personal injury and property damage as a result of geologic activity
19 and therefore needs to be incorporated into the Code to assure that new buildings and
20 structures and additions or alterations to existing buildings or structures are designed and
21 constructed in accordance with the scope and objectives of the California Residential
22 Code.

23 Section 18.41.190 – Amendment is necessary on the basis of a local geologic
24 condition. The City of Long Beach is a densely populated city having buildings and
25 structures constructed over or near a vast array of fault traces resulting from the active
26 Newport-Inglewood fault system that are capable of producing a major earthquake. The
27 proposed amendment requires a minimum braced wall length and type in a high seismic
28 region to better limit personal injury and property damage as a result of geologic activity

1 and therefore needs to be incorporated into the Code to assure that new buildings and
2 structures and additions or alterations to existing buildings or structures are designed and
3 constructed in accordance with the scope and objectives of the California Residential
4 Code.

5 Section 18.41.200 – Amendment is necessary on the basis of a local geologic
6 condition. The City of Long Beach is a densely populated city having buildings and
7 structures constructed over or near a vast array of fault traces resulting from the active
8 Newport-Inglewood fault system that are capable of producing a major earthquake. The
9 proposed amendment specifies a higher shear wall aspect ratio to better limit personal
10 injury and property damage as a result of geologic activity and therefore needs to be
11 incorporated into the Code to assure that new buildings and structures and additions or
12 alterations to existing buildings or structures are designed and constructed in accordance
13 with the scope and objectives of the California Residential Code.

14 Section 18.41.210 – Amendment is necessary on the basis of a local geologic
15 condition. The City of Long Beach is a densely populated city having buildings and
16 structures constructed over or near a vast array of fault traces resulting from the active
17 Newport-Inglewood fault system that are capable of producing a major earthquake. The
18 proposed amendment specifies a minimum sheathing thickness, nail size and spacing to
19 better limit personal injury and property damage as a result of geologic activity and
20 therefore needs to be incorporated into the Code to assure that new buildings and
21 structures and additions or alterations to existing buildings or structures are designed and
22 constructed in accordance with the scope and objectives of the California Residential
23 Code.

24 Section 18.41.220 – Amendment is necessary on the basis of a local geologic
25 condition. The City of Long Beach is a densely populated city having buildings and
26 structures constructed over or near a vast array of fault traces resulting from the active
27 Newport-Inglewood fault system that are capable of producing a major earthquake. The
28 proposed amendment specifies a minimum sheathing thickness, nail size and spacing to

1 better limit personal injury and property damage as a result of geologic activity and
2 therefore needs to be incorporated into the Code to assure that new buildings and
3 structures and additions or alterations to existing buildings or structures are designed and
4 constructed in accordance with the scope and objectives of the California Residential
5 Code.

6 Section 18.41.230 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is a densely populated city having buildings and
8 structures constructed over or near a vast array of fault traces resulting from the active
9 Newport-Inglewood fault system that are capable of producing a major earthquake. The
10 proposed amendment specifies a minimum sheathing thickness, nail size and spacing to
11 better limit personal injury and property damage as a result of geologic activity and
12 therefore needs to be incorporated into the Code to assure that new buildings and
13 structures and additions or alterations to existing buildings or structures are designed and
14 constructed in accordance with the scope and objectives of the California Residential
15 Code.

16 Section 18.41.240 – Amendment is necessary on the basis of a local geologic
17 condition. The City of Long Beach is a densely populated city having buildings and
18 structures constructed over or near a vast array of fault traces resulting from the active
19 Newport-Inglewood fault system that are capable of producing a major earthquake. The
20 proposed amendment limits the use of unreinforced masonry to better limit personal
21 injury and property damage as a result of geologic activity and therefore needs to be
22 incorporated into the Code to assure that new buildings and structures and additions or
23 alterations to existing buildings or structures are designed and constructed in accordance
24 with the scope and objectives of the California Residential Code.

25 Section 18.41.250 – Amendment is necessary on the basis of a local geologic
26 condition. The City of Long Beach is a densely populated city having buildings and
27 structures constructed over or near a vast array of fault traces resulting from the active
28 Newport-Inglewood fault system that are capable of producing a major earthquake. The

1 proposed amendment specifies minimum required reinforcements to better limit personal
2 injury and property damage as a result of geologic activity and therefore needs to be
3 incorporated into the Code to assure that new buildings and structures and additions or
4 alterations to existing buildings or structures are designed and constructed in accordance
5 with the scope and objectives of the California Residential Code.

6 Section 18.41.260 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is a densely populated city having buildings and
8 structures constructed over or near a vast array of fault traces resulting from the active
9 Newport-Inglewood fault system that are capable of producing a major earthquake. The
10 proposed amendment requires blocking with metal ties around larger floor openings and
11 limiting opening sizes to better limit personal injury and property damage as a result of
12 geologic activity and therefore needs to be incorporated into the Code to assure that new
13 buildings and structures and additions or alterations to existing buildings or structures are
14 designed and constructed in accordance with the scope and objectives of the California
15 Residential Code.

16 Section 18.41.270 – Amendment is necessary on the basis of a local geologic
17 condition. The City of Long Beach is a densely populated city having buildings and
18 structures constructed over or near a vast array of fault traces resulting from the active
19 Newport-Inglewood fault system that are capable of producing a major earthquake. The
20 proposed amendment requires minimum reinforcements of chimneys and fireplaces to
21 better limit personal injury and property damage as a result of geologic activity and
22 therefore needs to be incorporated into the Code to assure that new buildings and
23 structures and additions or alterations to existing buildings or structures are designed and
24 constructed in accordance with the scope and objectives of the California Residential
25 Code.

26 Section 4. Findings and determinations relative to the adoption of
27 administrative amendments to the 2022 Edition of the California Electrical Code, Part 3,
28 Title 24 of the California Code of Regulations:

1 Section 18.42.010 – Amendment is necessary for local administrative clarification,
2 does not modify a Building Standard as defined in Section 18909(c) of the California
3 Health and Safety Code, and does not require the express findings and determination
4 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
5 Code.

6 Section 5. Findings and determinations relative to the adoption of
7 administrative amendments to the 2022 Edition of the California Plumbing Code, Part 4,
8 Title 24 of the California Code of Regulations:

9 Section 18.43.010 – Amendment is necessary for local administrative clarification,
10 does not modify a Building Standard as defined in Section 18909(c) of the California
11 Health and Safety Code, and does not require the express findings and determination
12 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
13 Code.

14 Section 6. Findings and determinations relative to the adoption of
15 administrative amendments to the 2022 Edition of the California Mechanical Code, Part
16 5, Title 24 of the California Code of Regulations:

17 Section 18.44.010 – Amendment is necessary for local administrative clarification,
18 does not modify a Building Standard as defined in Section 18909(c) of the California
19 Health and Safety Code, and does not require the express findings and determination
20 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
21 Code.

22 Section 7. Findings and determinations relative to the adoption of
23 administrative amendments to the 1997 Edition of the Uniform Housing Code, Section 32,
24 Article 5, Subchapter 1, Division 1, of Title 25 of the California Code of Regulations:

25 Sections 18.45.010 to 18.45.030 – Amendment is necessary for local
26 administrative clarification, does not modify a Building Standard as defined in Section
27 18909(c) of the California Health and Safety Code, and does not require the express
28 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the

1 California Health and Safety Code.

2 Section 8. Findings and determinations relative to the adoption of
3 administrative amendments to the 2022 Edition of the California Energy Code, Part 6,
4 Title 24 of the California Code of Regulations:

5 Section 18.46.010 – Amendment is necessary for local administrative clarification,
6 does not modify a Building Standard as defined in Section 18909(c) of the California
7 Health and Safety Code, and does not require the express findings and determination
8 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
9 Code.

10 Section 9. Findings and determinations relative to the adoption of
11 administrative amendments, and where appropriate, the adoption of more restrictive
12 Building Standards Code provisions amendments to the 2022 Edition of the California
13 Green Building Standards Code, Part 11, Title 24 of the California Code of Regulations:

14 Sections 18.47.010 – Amendment is necessary for local administrative
15 clarification, does not modify a Building Standard as defined in Section 18909(c) of the
16 California Health and Safety Code, and does not require the express findings and
17 determination required by Sections 17958, 17958.5 and 17958.7 of the California Health
18 and Safety Code.

19 Section 18.47.020 – Amendment is necessary for local administrative clarification,
20 does not modify a Building Standard as defined in Section 18909(c) of the California
21 Health and Safety Code, and does not require the express findings and determination
22 required by Sections 17958, 17958.5, and 17958.7 of the California Health and Safety
23 Code.

24 Section 18.47.030 – Amendment is necessary for local administrative clarification,
25 does not modify a Building Standard as defined in Section 18909(c) of the California
26 Health and Safety Code, and does not require the express findings and determination
27 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
28 Code.

1 Section 18.47.040 – Amendment is necessary on the basis of a local climatic
2 condition. The proposed amendment makes modifications and changes to better
3 preserve and protect the community where environmental resources are scarce and to
4 realize a healthier, cleaner and more viable environment for the City’s residents, its
5 workforce and visitors.

6 Section 18.47.050 – Amendment is necessary for local administrative clarification,
7 does not modify a Building Standards as defined in Section 18909(c) of the California
8 Health and Safety Code, and does not require the express findings and determination
9 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety

10 Code. Section 18.47.060 – Amendment is necessary on the basis of a local climatic
11 condition. The City is reliant on imported water, importing as much as 40% from the
12 Metropolitan Water District. To address the impact of an imminent water supply shortage
13 as the result of a statewide, multi-year drought, critically low water levels in key state
14 reservoirs and significant pumping restrictions on imported water supplies from the State
15 Water Project, it is necessary to increase water conservation efforts to ensure sufficient
16 water resources are available for current and future residents of the City. Nearly 36% of
17 water usage in the City can be attributed to multifamily residential or mixed-use buildings
18 where water consumption in each individual dwelling unit is not measured. Therefore, this
19 amendment needs to be incorporated into the code to assure that new buildings and
20 structures and additions or alterations to existing buildings or structures are designed and
21 constructed in accordance with the scope and objectives of the California Green Building
22 Standards Code. Section 18.47.070 – Amendment is necessary on the basis of a local
23 climatic condition. The City is reliant on imported water, importing as much as 40% from
24 the Metropolitan Water District. To address the impact of an imminent water supply
25 shortage as the result of a statewide, multi-year drought, critically low water levels in key
26 state reservoirs and significant pumping restrictions on imported water supplies from the
27 State Water Project, it is necessary to increase water conservation efforts to ensure
28 sufficient water resources are available for current and future residents of the City. Nearly

1 36% of water usage in the City can be attributed to multifamily residential or mixed-use
2 buildings where water consumption in each individual dwelling unit is not measured.
3 Therefore, this amendment needs to be incorporated into the Code to assure that new
4 buildings and structures and additions or alterations to existing buildings or structures are
5 designed and constructed in accordance with the scope and objectives of the California
6 Green Building Standards Code.

7 Section 18.47.080 – Amendment is necessary on the basis of a local climatic
8 condition. The proposed amendment makes modification and changes to better preserve
9 and protect the community where environment resources are scarce and to realize a
10 healthier, cleaner and more viable environment for the City’s residents, its workforce and
11 visitors.

12 Section 10. Findings and determinations relative to the adoption of
13 administrative amendments, and where appropriate, the adoption of more restrictive
14 Building Standards Code provisions amendments to the 2022 Edition of the California
15 Fire Code, Part 9, Title 24 of the California Code of Regulations:

16 Sections 18.48.010 to 18.48.020 – Amendment is necessary for local
17 administrative clarification, does not modify a Building Standard as defined in Section
18 18909(c) of the California Health and Safety Code, and does not require the express
19 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
20 California Health and Safety Code.

21 Section 18.48.030 – Amendment is necessary on the basis of local topographical
22 conditions. The City of Long Beach is bounded on the westerly side by the Pacific Ocean
23 and at various locations by other bodies of water. The proposed amendment adds
24 vessels on the Pacific Ocean or other bodies of water under the jurisdiction of the City to
25 better limit personal injury and property damage as a result of topographic impediment
26 and therefore needs to be incorporated into the code to assure that new buildings and
27 structures and additions or alternations to existing buildings or structures are designed
28 and constructed in accordance with the scope and objectives of the California Fire Code.

1 Sections 18.48.040 to 18.48.380 – Amendment is necessary for local
2 administrative clarification, does not modify a Building Standard as defined in Section
3 18909(c) of the California Health and Safety Code, and does not require the express
4 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
5 California Health and Safety Code.

6 Sections 18.48.390 to 18.48.400 – Amendment is necessary on the basis of a
7 local geologic condition. The City of Long Beach is located in Seismic Design Categories
8 D, E or F as determined by the International Building Code, and in Seismic Design
9 Categories D2 or E as determined by the International Residential Code, which is
10 considered by experts to be one of the most active seismic regions in the world. The
11 proposed amendment requires densely populated occupancies to have an additional
12 means of escape to ensure that a reasonable margin of safety is provided due to the
13 necessity of providing on site fire protection in a seismic emergency when fire department
14 resources could be greatly delayed and overwhelmed and therefore needs to be
15 incorporated into the Code to assure that new buildings and structures and additions or
16 alterations to existing buildings or structures are designed and constructed in accordance
17 with the scope and objectives of the California Fire Code.

18 Section 18.48.410 – Amendment is necessary for local administrative clarification,
19 does not modify a Building Standard as defined in Section 18909(c) of the California
20 Health and Safety Code, and does not require the express findings and determination
21 required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and
22 Safety Code.

23 Section 18.48.420 – Amendment is necessary on the basis of a local geologic
24 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
25 determined by the International Building Code, and in Seismic Design Categories D2 or E
26 as determined by the International Residential Code, which is considered by experts to
27 be one of the most active seismic regions in the world. The proposed amendment to
28 require automatic sprinkler systems ensures that a reasonable margin of safety is

1 provided due to the necessity of providing on site fire protection in a seismic emergency
2 when fire department resources could be greatly delayed and overwhelmed and therefore
3 needs to be incorporated into the Code to assure that new buildings and structures and
4 additions or alterations to existing buildings or structures are designed and constructed in
5 accordance with the scope and objectives of the California Fire Code.

6 Section 18.48.430 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
8 determined by the International Building Code, and in Seismic Design Categories D2 or E
9 as determined by the International Residential Code, which is considered by experts to
10 be one of the most active seismic regions in the world. The proposed amendment to
11 require automatic sprinkler systems ensures that a reasonable margin of safety is
12 provided due to the necessity of providing on site fire protection in a seismic emergency
13 when fire department resources could be greatly delayed and overwhelmed and therefore
14 needs to be incorporated into the Code to assure that new buildings and structures and
15 additions or alterations to existing buildings or structures are designed and constructed in
16 accordance with the scope and objectives of the California Fire Code.

17 Section 18.48.440 – Amendment is necessary on the basis of a local geologic
18 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
19 determined by the International Building Code, and in Seismic Design Categories D2 or E
20 as determined by the International Residential Code, which is considered by experts to
21 be one of the most active seismic regions in the world. The proposed amendment to
22 require automatic sprinkler systems ensures that a reasonable margin of safety is
23 provided due to the necessity of providing on site fire protection in a seismic emergency
24 when fire department resources could be greatly delayed and overwhelmed and therefore
25 needs to be incorporated into the Code to assure that new buildings and structures and
26 additions or alterations to existing buildings or structures are designed and constructed in
27 accordance with the scope and objectives of the California Fire Code.

28 Section 18.48.450 – Amendment is necessary on the basis of a local geologic

1 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
2 determined by the International Building Code, and in Seismic Design Categories D2 or E
3 as determined by the International Residential Code, which is considered by experts to
4 be one of the most active seismic regions in the world. The proposed amendment
5 requiring additional safety factors for hydraulic calculations ensures that a reasonable
6 margin of safety is provided due to the necessity of providing on site fire protection in a
7 seismic emergency when fire department resources could be greatly delayed and
8 overwhelmed and therefore needs to be incorporated into the Code to assure that new
9 buildings and structures and additions or alterations to existing buildings or structures are
10 designed and constructed in accordance with the scope and objectives of the California
11 Fire Code.

12 Sections 18.48.460 to 18.48.480 – Amendment is necessary for local
13 administrative clarification, does not modify a Building Standard as defined in Section
14 18909(c) of the California Health and Safety Code, and does not require the express
15 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
16 California Health and Safety Code.

17 Section 18.48.490 – Amendment is necessary on the basis of a local geologic
18 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
19 determined by the International Building Code, and in Seismic Design Categories D2 or E
20 as determined by the International Residential Code, which is considered by experts to
21 be one of the most active seismic regions in the world. The proposed amendment to
22 specify requirements for alarm devices ensures that a reasonable margin of safety is
23 provided due to the necessity of providing on site fire protection in a seismic emergency
24 when fire department resources could be greatly delayed and overwhelmed and therefore
25 needs to be incorporated into the Code to assure that new buildings and structures and
26 additions or alterations to existing buildings or structures are designed and constructed in
27 accordance with the scope and objectives of the California Fire Code.

28 Section 18.48.500 – Amendment is necessary for local administrative clarification,

1 does not modify a Building Standard as defined in Section 18909(c) of the California
2 Health and Safety Code, and does not require the express findings and determination
3 required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and
4 Safety Code.

5 Section 18.48.510 – Amendment is necessary on the basis of a local geologic
6 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
7 determined by the International Building Code, and in Seismic Design Categories D2 or E
8 as determined by the International Residential Code, which is considered by experts to
9 be one of the most active seismic regions in the world. The proposed amendment
10 requires a higher psi design at the discharge to ensure that a reasonable margin of safety
11 is provided due to the necessity of providing on site fire protection in a seismic
12 emergency when fire department resources could be greatly delayed and overwhelmed
13 and therefore needs to be incorporated into the Code to assure that new buildings and
14 structures and additions or alterations to existing buildings or structures are designed and
15 constructed in accordance with the scope and objectives of the California Fire Code.

16 Sections 18.48.520 to 18.48.550– Amendment is necessary for local
17 administrative clarification, does not modify a Building Standard as defined in Section
18 18909(c) of the California Health and Safety Code, and does not require the express
19 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
20 California Health and Safety Code.

21 Section 18.48.560 – Amendment is necessary on the basis of a local geologic
22 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
23 determined by the International Building Code, and in Seismic Design Categories D2 or E
24 as determined by the International Residential Code, which is considered by experts to
25 be one of the most active seismic regions in the world. The proposed amendment to
26 require fire alarms and smoke removal systems ensures that a reasonable margin of
27 safety is provided due to the necessity of providing on site fire protection in a seismic
28 emergency when fire department resources could be greatly delayed and overwhelmed

1 and therefore needs to be incorporated into the Code to assure that new buildings and
2 structures and additions or alterations to existing buildings or structures are designed and
3 constructed in accordance with the scope and objectives of the California Fire Code.

4 Sections 18.48.570 to 18.48.580 – Amendment is necessary for local
5 administrative clarification, does not modify a Building Standard as defined in Section
6 18909(c) of the California Health and Safety Code, and does not require the express
7 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
8 California Health and Safety Code

9 Section 18.48.590 – Amendment is necessary for local administrative clarification,
10 does not modify a Building Standard as defined in Section 18909(c) of the California
11 Health and Safety Code, and does not require the express findings and determination
12 required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and
13 Safety Code. This amendment expands language to clarify temperature ratings of smoke
14 and heat vents.

15 Section 18.48.600 – Amendment is necessary on the basis of a local geologic
16 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
17 determined by the International Building Code, and in Seismic Design Categories D2 or E
18 as determined by the International Residential Code, which is considered by experts to
19 be one of the most active seismic regions in the world. The proposed amendment to
20 specify requirements for fire department connections ensures that a reasonable margin of
21 safety is provided due to the necessity of providing on site fire protection in a seismic
22 emergency when fire department resources could be greatly delayed and overwhelmed
23 and therefore needs to be incorporated into the Code to assure that new buildings and
24 structures and additions or alterations to existing buildings or structures are designed and
25 constructed in accordance with the scope and objectives of the California Fire Code.

26 Sections 18.48.610 to 18.48.660 – Amendment is necessary for local
27 administrative clarification, does not modify a Building Standard as defined in Section
28 18909(c) of the California Health and Safety Code, and does not require the express

1 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
2 California Health and Safety Code.

3 Section 18.48.670 – Amendment is necessary on the basis of local topographical
4 conditions. The City of Long Beach is bounded on the westerly side by the Pacific Ocean
5 and at various locations by other bodies of water. The proposed amendment adds
6 requirements for welding and cutting aboard vessels on the Pacific Ocean or other bodies
7 of waters to better limit personal injury and property damage as a result of topographic
8 impediment and therefore needs to be incorporated into the Code to assure that new
9 buildings and structures and additions or alterations to existing buildings or structures are
10 designed and constructed in accordance with the scope and objectives of the California
11 Fire Code.

12 Sections 18.48.680 to 18.48.770 – Amendment is necessary for local
13 administrative clarification, does not modify a Building Standard as defined in Section
14 18909(c) of the California Health and Safety Code, and does not require the express
15 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
16 California Health and Safety Code.

17 Section 18.48.780 – Amendment is necessary on the basis of a local geologic
18 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
19 determined by the International Building Code, and in Seismic Design Categories D2 or E
20 as determined by the International Residential Code, which is considered by experts to
21 be one of the most active seismic regions in the world. The proposed amendment
22 provides language to clarify a reduction of the fire flow requirements in one- and two-
23 family dwellings, Group R-3 and R-4 buildings and townhomes to ensure that a
24 reasonable margin of safety is provided due to the necessity of providing on site fire
25 protection in a seismic emergency when fire department resources could be greatly
26 delayed and overwhelmed and therefore needs to be incorporated into the Code to
27 assure that new buildings and structures and additions or alterations to existing buildings
28 or structures are designed and constructed in accordance with the scope and objectives

1 of the California Fire Code.

2 Section 18.48.790 – Amendment is necessary on the basis of a local geologic
3 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
4 determined by the International Building Code, and in Seismic Design Categories D2 or E
5 as determined by the International Residential Code, which is considered by experts to
6 be one of the most active seismic regions in the world. The proposed amendment
7 provides language to clarify a reduction of the fire flow requirements in one- and two-
8 family dwellings, Group R-3 and R-4 buildings and townhomes to ensure that a
9 reasonable margin of safety is provided due to the necessity of providing on site fire
10 protection in a seismic emergency when fire department resources could be greatly
11 delayed and overwhelmed and therefore needs to be incorporated into the Code to
12 assure that new buildings and structures and additions or alterations to existing buildings
13 or structures are designed and constructed in accordance with the scope and objectives
14 of the California Fire Code.

15 Section 11. Findings and determinations relative to the adoption of
16 administrative amendments, and where appropriate, the adoption of more restrictive
17 Building Standards Code provision amendments to the 2022 Edition of the California
18 Existing Building Code, Part 10, Title 24 of the California Code of Regulations:

19 Sections 18.49.010 – 18.49.020 – Amendment is necessary for local
20 administrative clarification, and does not modify a Building Standard as defined in Section
21 18909(c) of the California Health and Safety Code pursuant to Sections 17958, 17958.5
22 and 17958.7 of the California Health and Safety Code.

23 Sections 18.49.025 to 18.49.026 – Amendment is necessary on the basis of a
24 local geologic condition. The City of Long Beach is a densely populated city having
25 buildings and structures constructed over or near a vast array of fault traces resulting
26 from the active Newport-Inglewood fault system that are capable of producing a major
27 earthquake. The proposed amendment makes modifications and changes to better limit
28 personal injury and property damage as a result of geologic activity by clarifying when

1 existing structural elements carrying lateral loads need to be evaluated for a modified
2 condition. It also provides direction on how this evaluation can be performed. Therefore,
3 it needs to be incorporated into the code to assure that additions or alterations to existing
4 buildings or structures are designed and constructed in accordance with the scope and
5 objectives of the California Existing Code.

6 Section 18.49.030 – Amendment is necessary on the basis of a local geologic
7 condition. The City of Long Beach is a densely populated city having buildings and
8 structures constructed over or near a vast array of fault traces resulting from the active
9 Newport-Inglewood fault system that are capable of producing a major earthquake. The
10 proposed amendment is required to ensure that new occupancies with a high occupant
11 load are properly evaluated to reduce or mitigate any potential hazards to future
12 occupants in existing URM buildings or structures. The proposed amendment makes
13 modifications and changes to better limit personal injury and property damage as a result
14 of geologic activity and to establish criteria for repair of damaged property following a
15 local emergency. Therefore, it needs to be incorporated into the Code to assure that new
16 buildings and structures and additions or alterations to existing buildings or structures are
17 designed and constructed in accordance with the scope and objectives of the California
18 Existing Code.

19 Section 18.49.040 – Amendment is necessary on the basis of a local geologic
20 condition. The City of Long Beach is a densely populated city having buildings and
21 structures constructed over or near a vast array of fault traces resulting from the active
22 Newport-Inglewood fault system that are capable of producing a major earthquake. The
23 proposed amendment is required to ensure that new occupancies with a high occupant
24 load are properly evaluated to reduce or mitigate any potential hazards to future
25 occupants in existing URM buildings or structures. The proposed amendment makes
26 modifications and changes to better limit personal injury and property damage as a result
27 of geologic activity and to establish criteria for repair of damaged property following a
28 local emergency. Therefore, it needs to be incorporated into the Code to assure that new

1 buildings and structures and additions or alterations to existing buildings or structures are
2 designed and constructed in accordance with the scope and objectives of the California
3 Existing Code.

4 Section 18.49.050 – Amendment is necessary on the basis of a local geologic
5 condition. The City of Long Beach is a densely populated city having buildings and
6 structures constructed over or near a vast array of fault traces resulting from the active
7 Newport-Inglewood fault system that are capable of producing a major earthquake. The
8 proposed amendment is required to ensure that new occupancies with a high occupant
9 load are properly evaluated to reduce or mitigate any potential hazards to future
10 occupants in existing URM buildings or structures. The proposed amendment makes
11 modifications and changes to better limit personal injury and property damage as a result
12 of geologic activity and to establish criteria for repair of damaged property following a
13 local emergency. Therefore, it needs to be incorporated into the Code to assure that new
14 buildings and structures and additions or alterations to existing buildings or structures are
15 designed and constructed in accordance with the scope and objectives of the California
16 Existing Code.

17 Section 18.49.060 – Amendment is necessary for local administrative clarification,
18 does not modify a Building Standard as defined in Section 18909(c) of the California
19 Health and Safety Code, and does not require the express findings and determination
20 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
21 Code.

22 Section 12. Findings and determinations relative to the adoption of administrative
23 amendments to the 2022 Edition of the California Historical Building Code, Part 8, Title
24 24 of the California Code of Regulations:

25 Sections 18.50.010 to 18.50.060 – Amendment is necessary for local
26 administrative clarification, does not modify a Building Standard as defined in Section
27 18909(c) of the California Health and Safety Code, and does not require the express
28 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the

California Health and Safety Code.

Section 13. The Director of Development Services and the Fire Chief of the Fire Department are instructed to, and shall, transmit a copy of this resolution together with any appropriate supporting documentation, to the California Building Standards Commission and other appropriate regulatory bodies in accordance with California Health and Safety Code Section 17958.7.

Section 14. This resolution shall take effect upon its adoption by the City Council, and the City Clerk shall certify to the vote adopting this resolution.

I certify that this resolution was adopted by the City Council of the City of Long Beach at its meeting of _____, 2022, by the following vote:

Ayes: Councilmembers: _____

Noes: Councilmembers: _____

Absent: Councilmembers: _____

Recusal(s): Councilmembers: _____

City Clerk