

RESOLUTION NO. RES-19-0174

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 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

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Lona Beach, CA 90802

1 WHEREAS, Sections 17922, 17950, 17958, and 18938(b) of the California
2 Health and Safety Code requires the City of Long Beach to adopt the California Building
3 Standards Code adopted pursuant to the provisions of Chapter 4 of Part 2.5 of Division
4 13 of the California Health and Safety Code and the 1997 Edition of the Uniform Housing
5 Code adopted pursuant to the California Code of Regulations, Title 25, Division 1,
6 Chapter 1, Subchapter 1, Article 5, Section 32, 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

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

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

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

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

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

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

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

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

1 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 has 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 are within or near flood-prone areas that
4 are capable of maximizing public and private losses during times of flooding in specified
5 flood 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 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 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 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 2019 Edition of the California Building Standards
7 Code, Title 24 of the California Code of Regulations:

8 Chapters 18.01 thru 18.30 and 18.60 thru 18.99 – Amendment is necessary for
9 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 Section 2. Findings and determinations relative to the adoption of
14 administrative amendments, and where appropriate, the adoption of more restrictive
15 Building Standards Code provisions amendments to the 2019 Edition of the California
16 Building Code, Part 2, Title 24 of the California Code of Regulations:

17 Section 18.40.010 – 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. Amendment is necessary on the basis of a local topographic condition. The City of
22 Long Beach is a densely populated city having buildings and structures constructed
23 within or near flood-prone areas that are capable of maximizing public and private losses
24 during times of flooding in specified flood hazard areas. The proposed amendment
25 makes modification and changes to better limit personal injury and property damage
26 during times of flooding and to establish criteria for the design and construction of
27 buildings and structures or repair of damaged property before and following a local
28 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 Building Code, California Residential Code and Long Beach Municipal Code.

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

9 Section 18.40.030 – Amendment is necessary on the basis of a local geologic and
10 climatic condition. The City of Long Beach is a densely populated city having buildings
11 and structures constructed over or near a vast array of fault traces resulting from the
12 active Newport-Inglewood fault system that is capable of producing a major earthquake
13 and within a climate system capable of producing major winds, fire and rain related
14 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
15 (or La Nina) subtropical-like weather. The City is further impacted by construction of
16 buildings and structures utilizing traditional construction materials that impact the amount
17 of energy, air quality, greenhouse gas emission and construction waste in the area. The
18 proposed amendment to address structural designs specific to intermodal shipping
19 containers, reduce environmental impact of unused and unrecycled intermodal shipping
20 containers, and increase sustainability by reducing consumption of traditional
21 construction materials are intended to better limit personal injury and property damage as
22 a result of geologic and climatic activity and therefore need to be incorporated into the
23 Code to assure that new buildings and structures and additions or alterations to existing
24 buildings or structures are designed and constructed in accordance with the scope and
25 objectives of the California Building Code.

26 Section 18.40.040 – Amendment is necessary for local administrative clarification,
27 does not modify a Building Standard as defined in Section 18909(c) of the California
28 Health and Safety Code, and does not require the express findings and determination

1 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety
2 Code.

3 Section 18.40.050 – Amendment is necessary on the basis of a local geologic
4 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
5 determined by the International Building Code, and in Seismic Design Categories D2 or E
6 as determined by the International Residential Code, which are considered by experts to
7 be one of the most active seismic regions in the world. The proposed amendment
8 requires an automatic sprinkler system to be installed throughout a building 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 need to be incorporated into the Code to assure
12 that new buildings and structures and additions or alterations to existing buildings or
13 structures are designed and constructed in accordance with the scope and objectives of
14 the California Building Code.

15 Section 18.40.060 – 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.

20 Section 18.40.070 – Amendment is necessary on the basis of a local geologic
21 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
22 determined by the International Building Code, and in Seismic Design Categories D2 or E
23 as determined by the International Residential Code, which are considered by experts to
24 be one of the most active seismic regions in the world. The proposed amendment to
25 require an automatic sprinkler system ensures that a reasonable margin of safety is
26 provided due to the necessity of providing on site fire protection in a seismic emergency
27 when fire department resources could be greatly delayed and overwhelmed and therefore
28 need 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 Building Code.

3 Section 18.40.080 – Amendment is necessary on the basis of a local geologic
4 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
5 determined by the International Building Code, and in Seismic Design Categories D2 or E
6 as determined by the International Residential Code, which are considered by experts to
7 be one of the most active seismic regions in the world. The proposed amendment to
8 require an automatic sprinkler system ensures that a reasonable margin of safety is
9 provided due to the necessity of providing on site fire protection in a seismic emergency
10 when fire department resources could be greatly delayed and overwhelmed and therefore
11 need to be incorporated into the Code to assure that new buildings and structures and
12 additions or alterations to existing buildings or structures are designed and constructed in
13 accordance with the scope and objectives of the California Building Code.

14 Section 18.40.090 – Amendment is necessary on the basis of a local geologic
15 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
16 determined by the International Building Code, and in Seismic Design Categories D2 or E
17 as determined by the International Residential Code, which are considered by experts to
18 be one of the most active seismic regions in the world. The proposed amendment to
19 require a safety factor for hydraulic calculation ensures that a reasonable margin of
20 safety is provided due to the necessity of providing on site fire protection in a seismic
21 emergency when fire department resources could be greatly delayed and overwhelmed
22 and therefore need 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 Building Code.

25 Sections 18.40.100 to 18.40.110 – 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 18.40.120 – 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 are considered by experts to
6 be one of the most active seismic regions in the world. The proposed amendment to
7 specify requirements for alarm devices ensures that a reasonable margin of safety is
8 provided due to the necessity of providing on site fire protection in a seismic emergency
9 when fire department resources could be greatly delayed and overwhelmed and therefore
10 need to be incorporated into the Code to assure that new buildings and structures and
11 additions or alterations to existing buildings or structures are designed and constructed in
12 accordance with the scope and objectives of the California Fire Code.

13 Section 18.40.130 – 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 18.40.140 – 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 are considered by experts to
22 be one of the most active seismic regions in the world. The proposed amendment
23 requires a higher psi design at the discharge to ensure that a reasonable margin of safety
24 is provided due to the necessity of providing on site fire protection in a seismic
25 emergency when fire department resources could be greatly delayed and overwhelmed
26 and therefore need to be incorporated into the Code to assure that new buildings and
27 structures and additions or alterations to existing buildings or structures are designed and
28 constructed in accordance with the scope and objectives of the California Fire Code.

1 Sections 18.40.150 to 18.40.170 – 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 17958, 17958.5 and 17958.7 of the
5 California Health and Safety Code.

6 Section 18.40.180 – 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 are considered by experts to
10 be one of the most active seismic regions in the world. The proposed amendment to
11 require fire alarms ensures that a reasonable margin of safety is provided due to the
12 necessity of providing on site fire protection in a seismic emergency when fire department
13 resources could be greatly delayed and overwhelmed and therefore need to be
14 incorporated into the Code to assure that new buildings and structures and additions or
15 alterations to existing buildings or structures are designed and constructed in accordance
16 with the scope and objectives of the California Fire Code.

17 Section 18.40.190 – 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 are considered by experts to
21 be one of the most active seismic regions in the world. The proposed amendment to
22 require smoke removal systems ensures that a reasonable margin of safety is provided
23 due to the necessity of providing on site fire protection in a seismic emergency when fire
24 department resources could be greatly delayed and overwhelmed and therefore need to
25 be incorporated into the Code to assure that new buildings and structures and additions
26 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 Sections 18.40.200 to 18.40.210 – Amendment is necessary for local

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

5 Section 18.40.220 – 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 are considered by experts to
9 be one of the most active seismic regions in the world. The proposed amendment to
10 specify requirements for fire department connection ensures that a reasonable margin of
11 safety 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 need 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 18.40.230 to 18.40.260 – 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 17958, 17958.5 and 17958.7 of the
20 California Health and Safety Code.

21 Section 18.40.270 – Amendment is necessary on the basis of a local geologic
22 condition. The City of Long Beach is a densely populated city having buildings and
23 structures constructed over or near a vast array of fault traces resulting from the active
24 Newport-Inglewood fault system that is capable of producing a major earthquake. The
25 proposed amendment to require concrete and clay tiles to be installed over solid
26 sheathing boards is intended to better limit personal injury and property damage as a
27 result of seismic activity and therefore need to be incorporated into the Code to assure
28 that new buildings and structures and additions or alterations to existing buildings or

1 structures are designed and constructed in accordance with the scope and objectives of
2 the California Building 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 is 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 damages that may result from
2 vertical irregularities of the structural system in buildings subject to high seismic load 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 18.40.310 – 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 address 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.

1 Sections 18.40.330 – 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 is capable of producing a major earthquake. The
5 proposed amendment requiring safe design and construction requirements for ceiling
6 suspension systems to resist seismic loads is intended to minimize the amount of
7 damage within a building and along the path of the means of egress to better limit
8 personal injury and property damage as a result of geologic activity and therefore needs
9 to be incorporated into the Code to assure that new buildings and structures and
10 additions or alterations to existing buildings or structures are designed and constructed in
11 accordance with the scope and objectives of the California Building Code.

12 Section 18.40.340 – 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 to require the registered design professional in responsible charge
17 of the structural design to observe the construction will help ensure that an acceptable
18 standard of workmanship is provided, will improve the quality of the observation to better
19 limit personal injury and property damage as a result of geologic activity. Therefore, it
20 needs to be incorporated into the Code to assure that new buildings and structures and
21 additions or alterations to existing buildings or structures are designed and constructed in
22 accordance with the scope and objectives of the California Building Code.

23 Section 18.40.350 – 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 is capable of producing a major earthquake. The
27 proposed amendment to require the registered design professional in responsible charge
28 for the structural design to observe the construction will help ensure acceptable

1 standards of workmanship is provide, to improve the quality of the observation to better
2 limit personal injury and property damage as a result of geologic activity and therefore
3 need 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 Building Code.

6 Section 18.40.360 – 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 is capable of producing a major earthquake. The
10 proposed amendment ensures better performance of building or structure by requiring
11 special inspection for concrete with a compressive strength greater than 2,500 pounds
12 per square inch to better limit personal injury and property damage as a result of geologic
13 activity and therefore need to be incorporated into the Code to assure that new buildings
14 and structures and additions or alterations to existing buildings or structures are designed
15 and constructed in accordance with the scope and objectives of the California Building
16 Code.

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

28 Section 18.40.380 – 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 17958, 17958.5 and 17958.7 of the California Health and Safety
4 Code.

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

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

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

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

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

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

7 Section 18.40.430 – 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 reduce or eliminate potential problems that may result for under
12 reinforced footings located on sloped surfaces to better limit personal injury and property
13 damage as a result of geologic activity and therefore need to be incorporated into the
14 Code to assure that new buildings and structures and additions or alterations to existing
15 buildings or structures are designed and constructed in accordance with the scope and
16 objectives of the California Building Code.

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

27 Sections 18.40.450 – Amendment is necessary on the basis of a local geologic
28 and climatic condition. The City of Long Beach is a densely populated city having

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

1 Section 18.40.470 – 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 is capable of producing a major earthquake. The
5 proposed amendment requires minimum reinforcement to address the problem of poor
6 performance of plain or under-reinforced footings to better limit personal injury and
7 property damage as a result of geologic activity and therefore needs to be incorporated
8 into the Code to assure that new buildings and structures and additions or alterations to
9 existing buildings or structures are designed and constructed in accordance with the
10 scope and objectives of the California Building Code.

11 Section 18.40.480 – Amendment is necessary on the basis of a local geologic
12 condition. The City of Long Beach is a densely populated city having buildings and
13 structures constructed over or near a vast array of fault traces resulting from the active
14 Newport-Inglewood fault system that is capable of producing a major earthquake. The
15 proposed amendment to increase confinement in critical columns, limiting the use of
16 highly gravity loaded walls, and increase concrete coverage in thin slabs are intended to
17 prevent failure of the structure and to better limit personal injury and property damage as
18 a result of geologic 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 Building Code.

22 Section 18.40.490 – 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. The proposed
25 amendment limit the use of staple fasteners in resisting or transferring seismic forces to
26 better limit personal injury and property damage as a result of seismic activity and
27 therefore need to be incorporated into the Code to assure that new buildings and
28 structures and additions or alterations to existing buildings or structures are designed and

1 constructed in accordance with the scope and objectives of the California Building Code.

2 Section 18.40.500 – 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 is capable of producing a major earthquake. The
6 proposed amendment limits or prohibits the shear value of overdriven nails or the use of
7 box and clipped head nails to better limit personal injury and property damage as a result
8 of geologic activity and therefore need to be incorporated into the Code to assure that
9 new buildings and structures and additions or alterations to existing buildings or
10 structures are designed and constructed in accordance with the scope and objectives of
11 the California Building Code.

12 Sections 18.40.510 – 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 El
18 Nino (or La Nina) subtropical-like weather. The proposed amendment to reduce or
19 eliminate potential problems that may result by using wood in retaining or crib walls that
20 experience relatively rapid decay due to the fact that the region does not experience
21 temperatures cold enough to destroy or retard the growth and proliferation of wood-
22 destroying organisms to better limit personal injury and property damage as a result of
23 geologic activity and therefore needs to be incorporated into the Code to assure that new
24 buildings and structures and additions or alterations to existing buildings or structures are
25 designed and constructed in accordance with the scope and objectives of the California
26 Building Code.

27 Section 18.40.520 – 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 is capable of producing a major earthquake. The
3 proposed amendment limits the allowable capacity of hold-downs to 75% of the
4 acceptance report value to provide an additional factor of safety for statically tested
5 anchorage devices to better limit personal injury and property damage as a result of
6 geologic activity and therefore need to be incorporated into the Code to assure that new
7 buildings and structures and additions or alterations to existing buildings or structures are
8 designed and constructed in accordance with the scope and objectives of the California
9 Building Code.

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

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

1 with the scope and objectives of the California Building Code.

2 Section 18.40.550 – 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 is capable of producing a major earthquake. The
6 proposed amendment reduces allowable shear values in wood structural panel shear
7 walls or diaphragms that were not substantiated by cyclic testing to better limit personal
8 injury and property damage as a result of geologic activity and therefore need to be
9 incorporated into the Code to assure that new buildings and structures and additions or
10 alterations to existing buildings or structures are designed and constructed in accordance
11 with the scope and objectives of the California Building Code.

12 Section 18.40.560 – 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 specifies minimum sheathing thickness and nail size and spacing
17 so as to provide a uniform standard of construction for designers and builders to better
18 limit personal injury and property damage as a result of seismic activity and therefore
19 need 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 Building Code.

22 Section 18.40.570 – 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 is capable of producing a major earthquake. The
26 proposed amendment specifies minimum sheathing thickness and nail size and spacing
27 so as to provide a uniform standard of construction for designers and builders to better
28 limit personal injury and property damage as a result of seismic activity and therefore

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

4 Section 18.40.580 – 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 is capable of producing a major earthquake. The
8 proposed amendment specifies minimum sheathing thickness and nail size and spacing
9 so as to provide a uniform standard of construction for designers and builders to better
10 limit personal injury and property damage as a result of seismic activity and therefore
11 need to be incorporated into the Code to assure that new buildings and structures and
12 additions or alterations to existing buildings or structures are designed and constructed in
13 accordance with the scope and objectives of the California Building Code.

14 Section 18.40.590 – 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 is capable of producing a major earthquake. The
18 proposed amendment limits the use of the exception provisions to structures assigned to
19 Seismic Design Category A, B or C where lower seismic demands are expected and
20 requires interior braced walls be supported by continuous foundations to better limit
21 personal injury and property damage as a result of geologic activity and therefore need to
22 be incorporated into the Code to assure that new buildings and structures and additions
23 or alterations to existing buildings or structures are designed and constructed in
24 accordance with the scope and objectives of the California Building Code.

25 Section 18.40.600 – 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. The proposed
28 amendment limit the use of staple fasteners in resisting or transferring seismic forces to

1 better limit personal injury and property damage as a result of seismic activity and
2 therefore need 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 Building Code.

5 Section 18.40.610 – 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 18.40.620 – 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 is 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 City is further impacted by construction of
17 buildings and structures utilizing tradition construction materials that impact the amount of
18 energy, air quality, greenhouse gas emission and construction waste in the area. The
19 proposed amendment to address structural designs specific to intermodal shipping
20 containers, reduce environmental impact of unused and unrecycled intermodal shipping
21 containers, and increase sustainability by reducing consumption of traditional
22 construction materials are intended to better limit personal injury and property damage as
23 a result of geologic and climatic activity and therefore need to be incorporated into the
24 Code to assure that new buildings and structures and additions or alterations to existing
25 buildings or structures are designed and constructed in accordance with the scope and
26 objectives of the California Building Code.

27 Section 18.40.630 – Amendment is necessary on the basis of a local geologic and
28 climatic condition. The City of Long Beach is a densely populated city having buildings

1 and structures constructed over or near a vast array of fault traces resulting from the
2 active Newport-Inglewood fault system that is capable of producing a major earthquake
3 and within a climate system capable of producing major winds, fire and rain related
4 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
5 (or La Nina) subtropical-like weather. The City is further impacted by construction of
6 buildings and structures utilizing tradition construction materials that impact the amount of
7 energy, air quality, greenhouse gas emission and construction waste in the area. The
8 proposed amendment to address structural designs specific to intermodal shipping
9 containers, reduce environmental impact of unused and unrecycled intermodal shipping
10 containers, and increase sustainability by reducing consumption of traditional
11 construction materials are intended to better limit personal injury and property damage as
12 a result of geologic and climatic activity and therefore need to be incorporated into the
13 Code to assure that new buildings and structures and additions or alterations to existing
14 buildings or structures are designed and constructed in accordance with the scope and
15 objectives of the California Building Code.

16 Section 18.40.640 – Amendment is necessary on the basis of a local geologic and
17 climatic condition. The City of Long Beach is a densely populated city having buildings
18 and structures constructed over or near a vast array of fault traces resulting from the
19 active Newport-Inglewood fault system that is capable of producing a major earthquake
20 and within a climate system capable of producing major winds, fire and rain related
21 disasters, including but not limited to those caused by the Santa Ana winds and El Nino
22 (or La Nina) subtropical-like weather. The City is further impacted by construction of
23 buildings and structures utilizing tradition construction materials that impact the amount of
24 energy, air quality, greenhouse gas emission and construction waste in the area. The
25 proposed amendment to address structural designs specific to intermodal shipping
26 containers, reduce environmental impact of unused and unrecycled intermodal shipping
27 containers, and increase sustainability by reducing consumption of traditional
28 construction materials are intended to better limit personal injury and property damage as

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

5 Section 18.40.650 – 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. The proposed amendment clarifies that any new construction, substantial
10 improvement of existing buildings or structures, or repair of existing buildings or
11 structures that have sustained substantial damage in flood hazard areas, are subject to
12 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
13 be incorporated into the Code to assure that new buildings and structures and additions
14 or alterations to existing buildings or structures are designed and constructed in
15 accordance with the scope and objectives of the California Building Code, California
16 Residential Code, and Long Beach Municipal Code.

17 Section 18.40.660 – 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. The proposed amendment clarifies that any new construction, substantial
22 improvement of existing buildings or structures, or repair of existing buildings or
23 structures that have sustained substantial damage in flood hazard areas, are subject to
24 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
25 be incorporated into the Code to assure that new buildings and structures and additions
26 or alterations to existing buildings or structures are designed and constructed in
27 accordance with the scope and objectives of the California Building Code, California
28 Residential Code, and Long Beach Municipal Code.

1 Section 18.40.670 – 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. The proposed amendment clarifies that any new construction, substantial
6 improvement of existing buildings or structures, or repair of existing buildings or
7 structures that have sustained substantial damage in flood hazard areas, are subject to
8 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
9 be incorporated into the Code to assure that new buildings and structures and additions
10 or alterations to existing buildings or structures are designed and constructed in
11 accordance with the scope and objectives of the California Building Code, California
12 Residential Code, and Long Beach Municipal Code.

13 Section 18.40.680 – 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. The proposed amendment clarifies that any new construction, substantial
18 improvement of existing buildings or structures, or repair of existing buildings or
19 structures that have sustained substantial damage in flood hazard areas, are subject to
20 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
21 be incorporated into the Code to assure that new buildings and structures and additions
22 or alterations to existing buildings or structures are designed and constructed in
23 accordance with the scope and objectives of the California Building Code, California
24 Residential Code, and Long Beach Municipal Code.

25 Section 18.40.690 – Amendment is necessary for local administrative clarification,
26 does not modify a Building Standard as defined in Section 18909(c) of the California
27 Health and Safety Code, and does not require the express findings and determination
28 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety

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

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

21 Section 18.40.710 – 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. The proposed amendment clarifies that any new construction, substantial
26 improvement of existing buildings or structures, or repair of existing buildings or
27 structures that have sustained substantial damage in flood hazard areas, are subject to
28 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to

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

5 Section 18.40.720 – 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. The proposed amendment clarifies that any new construction, substantial
10 improvement of existing buildings or structures, or repair of existing buildings or
11 structures that have sustained substantial damage in flood hazard areas, are subject to
12 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
13 be incorporated into the Code to assure that new buildings and structures and additions
14 or alterations to existing buildings or structures are designed and constructed in
15 accordance with the scope and objectives of the California Building Code, California
16 Residential Code, and Long Beach Municipal Code.

17 Section 18.40.730 – 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. The proposed amendment clarifies that any new construction, substantial
22 improvement of existing buildings or structures, or repair of existing buildings or
23 structures that have sustained substantial damage in flood hazard areas, are subject to
24 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
25 be incorporated into the Code to assure that new buildings and structures and additions
26 or alterations to existing buildings or structures are designed and constructed in
27 accordance with the scope and objectives of the California Building Code, California
28 Residential Code, and Long Beach Municipal Code.

1 Section 18.40.740 – 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. The proposed amendment clarifies that any new construction, substantial
6 improvement of existing buildings or structures, or repair of existing buildings or
7 structures that have sustained substantial damage in flood hazard areas, are subject to
8 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
9 be incorporated into the Code to assure that new buildings and structures and additions
10 or alterations to existing buildings or structures are designed and constructed in
11 accordance with the scope and objectives of the California Building Code, California
12 Residential Code, and Long Beach Municipal Code.

13 Section 18.40.750 – 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. The proposed amendment clarifies that any new construction, substantial
18 improvement of existing buildings or structures, or repair of existing buildings or
19 structures that have sustained substantial damage in flood hazard areas, are subject to
20 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
21 be incorporated into the Code to assure that new buildings and structures and additions
22 or alterations to existing buildings or structures are designed and constructed in
23 accordance with the scope and objectives of the California Building Code, California
24 Residential Code, and Long Beach Municipal Code.

25 Section 18.40.760 – Amendment is necessary for local administrative clarification,
26 does not modify a Building Standard as defined in Section 18909(c) of the California
27 Health and Safety Code, and does not require the express findings and determination
28 required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety

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

9 Section 18.40.770 – 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. The proposed amendment clarifies that any new construction, substantial
14 improvement of existing buildings or structures, or repair of existing buildings or
15 structures that have sustained substantial damage in flood hazard areas, are subject to
16 the requirement of Section 1612 and Appendix G or Section R322 and therefore need 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 Building Code, California
20 Residential Code, and Long Beach Municipal Code.

21 Section 18.40.780 – 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. The proposed amendment clarifies that any new construction, substantial
26 improvement of existing buildings or structures, or repair of existing buildings or
27 structures that have sustained substantial damage in flood hazard areas, are subject to
28 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to

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

5 Section 18.40.790 – 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. The proposed amendment clarifies that any new construction, substantial
10 improvement of existing buildings or structures, or repair of existing buildings or
11 structures that have sustained substantial damage in flood hazard areas, are subject to
12 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
13 be incorporated into the Code to assure that new buildings and structures and additions
14 or alterations to existing buildings or structures are designed and constructed in
15 accordance with the scope and objectives of the California Building Code, California
16 Residential Code, and Long Beach Municipal Code.

17 Section 18.40.800 – 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. The proposed amendment clarifies that any new construction, substantial
22 improvement of existing buildings or structures, or repair of existing buildings or
23 structures that have sustained substantial damage in flood hazard areas, are subject to
24 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
25 be incorporated into the Code to assure that new buildings and structures and additions
26 or alterations to existing buildings or structures are designed and constructed in
27 accordance with the scope and objectives of the California Building Code, California
28 Residential Code, and Long Beach Municipal Code.

1 Section 18.40.810 – 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. The proposed amendment clarifies that any new construction, substantial
6 improvement of existing buildings or structures, or repair of existing buildings or
7 structures that have sustained substantial damage in flood hazard areas, are subject to
8 the requirement of Section 1612 and Appendix G or Section R322 and therefore need to
9 be incorporated into the Code to assure that new buildings and structures and additions
10 or alterations to existing buildings or structures are designed and constructed in
11 accordance with the scope and objectives of the California Building Code, California
12 Residential Code, and Long Beach Municipal Code.

13 Section 3. Findings and determinations relative to the adoption of
14 administrative amendments, and where appropriate, the adoption of more restrictive
15 Building Standards Code provisions amendments to the 2019 Edition of the California
16 Residential Code, Part 2.5, Title 24 of the California Code of Regulations:

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

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

5 Section 18.41.020 – 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 18.41.030 – Amendment is necessary on the basis of a local geologic
11 condition. The City of Long Beach is a densely populated city having buildings and
12 structures constructed over or near a vast array of fault traces resulting from the active
13 Newport-Inglewood fault system that is capable of producing a major earthquake. The
14 proposed amendment requires a registered design professional to prepare construction
15 documents that minimizes or reduces structural deficiencies that may cause excessive
16 damage or injuries in wood frame buildings and therefore needs to be incorporated into
17 the Code to assure that new buildings and structures and additions or alterations to
18 existing buildings or structures are designed and constructed in accordance with the
19 scope and objectives of the California Residential Code.

20 Section 18.41.040 – 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 18.41.050 – 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 is capable of producing a major earthquake. The

1 proposed amendment reduces or eliminates potential problems that may result by limiting
2 the type of irregular conditions to better limit personal injury and property damage as a
3 result of geologic activity and therefore needs to be incorporated into the Code to assure
4 that new buildings and structures and additions or alterations to existing buildings or
5 structures are designed and constructed in accordance with the scope and objectives of
6 the California Residential Code.

7 Section 18.41.060 – 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 places limit on the equipment weight before requiring the structural
12 member supporting the weight to be designed by a registered design professional that
13 better limit personal injury and property damage as a result of geologic activity and
14 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 Residential
17 Code.

18 Section 18.41.070 – 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 17958, 17958.5 and 17958.7 of the California Health and Safety
22 Code.

23 Section 18.41.080 – Amendment is necessary on the basis of a local geologic and
24 climatic condition. The City of Long Beach is a densely populated city having buildings
25 and structures constructed over or near a vast array of fault traces resulting from the
26 active Newport-Inglewood fault system that is capable of producing a major earthquake
27 and within a climate system capable of producing major winds, fire and rain related
28 disasters, including but not limited to those caused by the Santa Ana winds and El Nino

1 (or La Nina) subtropical-like weather. The proposed amendment prohibits the use of
2 wood foundation to better limit personal injury and property damage as a result of
3 geologic and climatic activity and therefore needs to be incorporated into the Code to
4 assure that new buildings and structures and additions or alterations to existing buildings
5 or structures are designed and constructed in accordance with the scope and objectives
6 of the California Residential Code.

7 Section 18.41.090 – 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 requires minimum reinforcement for stepped footings to better limit
12 personal injury and property damage as a result of geologic activity and therefore needs
13 to be incorporated into the Code to assure that new buildings and structures and
14 additions or alterations to existing buildings or structures are designed and constructed in
15 accordance with the scope and objectives of the California Residential Code.

16 Section 18.41.100 – 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 is capable of producing a major earthquake. The
20 proposed amendment requires interior braced walls to be supported by continuous
21 foundations to better limit personal injury and property damage as a result of geologic
22 activity and therefore needs to be incorporated into the Code to assure that new buildings
23 and structures and additions or alterations to existing buildings or structures are designed
24 and constructed in accordance with the scope and objectives of the California Residential
25 Code.

26 Section 18.41.110 – Amendment is necessary on the basis of a local geologic
27 condition. The City of Long Beach is a densely populated city having buildings and
28 structures constructed over or near a vast array of fault traces resulting from the active

1 Newport-Inglewood fault system that is capable of producing a major earthquake. The
2 proposed amendment to reduce or eliminate potential problems that may result for under
3 reinforced footings located on sloped surfaces to better limit personal injury and property
4 damage as a result of geologic activity and therefore need to be incorporated into the
5 Code to assure that new buildings and structures and additions or alterations to existing
6 buildings or structures are designed and constructed in accordance with the scope and
7 objectives of the California Residential Code.

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

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

1 Residential Code.

2 Section 18.41.140 – 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 is capable of producing a major earthquake. The
6 proposed amendment limits the type of fasteners that can be used to better limit personal
7 injury and property damage as a result of geologic activity and therefore needs to be
8 incorporated into the Code to assure that new buildings and structures and additions or
9 alterations to existing buildings or structures are designed and constructed in accordance
10 with the scope and objectives of the California Residential Code.

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

20 Section 18.41.160 – Amendment is necessary on the basis of a local geologic
21 condition. The City of Long Beach is a densely populated city having buildings and
22 structures constructed over or near a vast array of fault traces resulting from the active
23 Newport-Inglewood fault system that is capable of producing a major earthquake. The
24 proposed amendment limit the use staples in high seismic region to better limit personal
25 injury 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 Residential Code.

1 Section 18.41.170 – 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 is capable of producing a major earthquake. The
5 proposed amendment requires a minimum braced wall length in high seismic region to
6 better limit personal injury and property damage as a result of geologic activity and
7 therefore needs to be incorporated into the Code to assure that new buildings and
8 structures and additions or alterations to existing buildings or structures are designed and
9 constructed in accordance with the scope and objectives of the California Residential
10 Code.

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

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

1 constructed in accordance with the scope and objectives of the California Residential
2 Code.

3 Section 18.41.200 – 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 is capable of producing a major earthquake. The
7 proposed amendment specifies a higher shear wall aspect ratio to better limit personal
8 injury and property damage as a result of geologic activity and therefore needs to be
9 incorporated into the Code to assure that new buildings and structures and additions or
10 alterations to existing buildings or structures are designed and constructed in accordance
11 with the scope and objectives of the California Residential Code.

12 Section 18.41.210 – 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 specifies minimum sheathing thickness, nail size and spacing to
17 better limit personal injury and property damage as a result of geologic activity and
18 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 Residential
21 Code.

22 Section 18.41.220 – 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 is capable of producing a major earthquake. The
26 proposed amendment specifies minimum sheathing thickness, nail size and spacing to
27 better limit personal injury and property damage as a result of geologic activity and
28 therefore needs to be incorporated into the Code to assure that new buildings and

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

4 Section 18.41.230 – 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 is capable of producing a major earthquake. The
8 proposed amendment specifies minimum sheathing thickness, nail size and spacing to
9 better limit personal injury and property damage as a result of geologic activity and
10 therefore needs to be incorporated into the Code to assure that new buildings and
11 structures and additions or alterations to existing buildings or structures are designed and
12 constructed in accordance with the scope and objectives of the California Residential
13 Code.

14 Section 18.41.240 – 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 is capable of producing a major earthquake. The
18 proposed amendment limits the use of unreinforced masonry to better limit personal
19 injury and property damage as a result of geologic activity and therefore needs to be
20 incorporated into the Code to assure that new buildings and structures and additions or
21 alterations to existing buildings or structures are designed and constructed in accordance
22 with the scope and objectives of the California Residential Code.

23 Section 18.41.250 – 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 is capable of producing a major earthquake. The
27 proposed amendment specifies minimum reinforcements to better limit personal injury
28 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 Residential Code.

4 Section 18.41.260 – 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 is capable of producing a major earthquake. The
8 proposed amendment requires blocking with metal ties around larger floor openings and
9 limiting opening size to better limit personal injury and property damage as a result of
10 geologic activity and therefore needs to be incorporated into the Code to assure that new
11 buildings and structures and additions or alterations to existing buildings or structures are
12 designed and constructed in accordance with the scope and objectives of the California
13 Residential Code.

14 Section 18.41.270 – 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 is capable of producing a major earthquake. The
18 proposed amendment requires minimum reinforcement of chimneys and fireplaces 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 4. Findings and determinations relative to the adoption of
25 administrative amendments to the 2019 Edition of the California Electrical Code, Part 3,
26 Title 24 of the California Code of Regulations:

27 Section 18.41.010 – 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.

4 Section 5. Findings and determinations relative to the adoption of
5 administrative amendments to the 2019 Edition of the California Plumbing Code, Part 4,
6 Title 24 of the California Code of Regulations:

7 Section 18.43.010 – 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 6. Findings and determinations relative to the adoption of
13 administrative amendments to the 2019 Edition of the California Mechanical Code, Part
14 5, Title 24 of the California Code of Regulations:

15 Section 18.44.010 – 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.

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

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

28 Section 8. Findings and determinations relative to the adoption of

1 administrative amendments to the 2019 Edition of the California Energy Code, Part 6,
2 Title 24 of the California Code of Regulations:

3 Section 18.46.010 – 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.

8 Section 9. Findings and determinations relative to the adoption of
9 administrative amendments, and where appropriate, the adoption of more restrictive
10 Building Standards Code provisions amendments to the 2019 Edition of the California
11 Green Building Standards Code, Part 11, Title 24 of the California Code of Regulations:

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

17 Section 18.47.020 – Amendment is necessary on the basis of a local climatic
18 condition. The City of Long Beach is a densely populated area having buildings and
19 structures constructed within heavily traveled traffic corridors and highways, near and
20 within the proximity of the Long Beach airport and port, and near the ocean and within
21 flood prone areas. This impacts the quality of the air, causes higher decibel noise levels,
22 and increases the risk of rising sea or flood levels. The proposed modification to
23 increase the number of EV charging spaces and stations will help to address and
24 significantly reduce local air and noise pollution and greenhouse gas emissions and will
25 improve the health and welfare of the city's residents, businesses and visitors and reduce
26 the rise in sea or flood levels, including in San Pedro Bay, that could put at risk the city's
27 homes and businesses, public facilities, airport and port. Therefore, this amendment
28 needs 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 Green Building Standard
3 Code.

4 Section 18.47.030 - Local Climatic Condition – Amendment is necessary on the
5 basis of a local climatic condition. The City of Long Beach is a densely populated area
6 having buildings and structures constructed within heavily traveled traffic corridors and
7 highways, near and within the proximity of the Long Beach airport and port, and near the
8 ocean and within flood prone area. This impacts the quality of the air, causes higher
9 decibel noise level, and increases the risk of rising sea or flood levels. The proposed
10 modification to increase the number of EV charging space and station will help to address
11 and significantly reduce local air and noise pollutions and greenhouse gas emissions will
12 improve the health and welfare of the city’s residents, businesses and visitors and reduce
13 the rise in sea or flood levels, including in San Pedro Bay, that could put at risk the city’s
14 homes and businesses, public facilities, airport and port. Therefore, this amendment
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 Green Building Standards
18 Code.

19 Section 18.47.040 – Amendment is necessary on the basis of a local climatic
20 condition. The proposed amendment makes modification and changes to better preserve
21 and protect the community where environmental resources are scarce and to realize a
22 healthier, cleaner and more viable environment for the City’s residents, its workforce and
23 visitors.

24 Section 18.47.050 – Local Climatic Condition – Amendment is necessary on the
25 basis of a local climatic condition. The City of Long Beach is a densely populated area
26 having buildings and structures constructed within heavily traveled traffic corridors and
27 highways, near and within the proximity of the Long Beach airport and port, and near the
28 ocean and within flood prone areas. This impacts the quality of the air, causes higher

1 decibel noise levels, and increases the risk of rising sea or flood levels. The proposed
2 modification to increase the number of EV charging spaces and stations will help to
3 address and significantly reduce local air and noise pollution and greenhouse gas
4 emissions and will improve the health and welfare of the city's residents, businesses and
5 visitors and reduce the rise in sea or flood levels, including in San Pedro Bay, that could
6 put at risk the city's homes and businesses, public facilities, airport and port. Therefore,
7 this amendment needs to be incorporated into the Code to assure that new buildings and
8 structures and additions or alterations to existing buildings or structures are designed and
9 constructed in accordance with the scope and objectives of the California Green Building
10 Standards Code.

11 Section 18.47.060 – Amendment is necessary on the basis of a local climatic
12 condition. The proposed amendment makes modification and changes to better preserve
13 and protect the community where environmental resources are scarce and to realize a
14 healthier, cleaner and more viable environment for the City's residents, its workforce and
15 visitors.

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

1 Section 18.47.080 – Amendment is necessary on the basis of a local climatic
2 condition. The City is reliant on imported water, importing as much as 40% from the
3 Metropolitan Water District. To address the impact of an imminent water supply shortage
4 as the result of a statewide, multi-year drought, critically low water levels in key state
5 reservoirs and significant pumping restrictions on imported water supplies from the State
6 Water Project, it is necessary to increase water conservation efforts to ensure sufficient
7 water resources are available for current and future residents of the City. Nearly 36% of
8 water usage in the City can be attributed to multifamily residential or mixed-use buildings
9 where water consumption in each individual dwelling unit is not measured. Therefore this
10 amendment needs to be incorporated into the Code to assure that new buildings and
11 structures and additions or alterations to existing buildings or structures are designed and
12 constructed in accordance with the scope and objectives of the California Green Building
13 Standards Code.

14 Section 10. Findings and determinations relative to the adoption of
15 administrative amendments, and where appropriate, the adoption of more restrictive
16 Building Standards Code provisions amendments to the 2019 Edition of the California
17 Fire Code, Part 9, Title 24 of the California Code of Regulations:

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

23 Section 18.48.030 – Amendment is necessary on the basis of local topographical
24 conditions. The City of Long Beach is bounded on the westerly side by the Pacific Ocean
25 and at various locations by other bodies of water. The proposed amendment adds
26 requirements for vessels moored within the jurisdiction of the City to better limit personal
27 injury and property damage as a result of topographic impediment, and therefore needs
28 to be incorporated into the Code to assure that vessels are in compliance with the

1 applicable scope and objectives of the California Fire Code.

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

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

19 Section 18.48.410 – 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 13143.5, 17958.7 and 18941.5(b) of the California Health and
23 Safety Code.

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

1 require automatic sprinkler systems ensures that a reasonable margin of safety is
2 provided due to the necessity of providing on site fire protection in a seismic emergency
3 when fire department resources could be greatly delayed and overwhelmed 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 Fire Code.

7 Section 18.48.430 – 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 are considered by experts to
11 be one of the most active seismic regions in the world. The proposed amendment to
12 require 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 need 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 Fire Code.

18 Section 18.48.440 – 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 are considered by experts to
22 be one of the most active seismic regions in the world. The proposed amendment to
23 require 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 need 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 Fire Code.

1 Section 18.48.450 – Amendment is necessary on the basis of a local geologic
2 condition. The City of Long Beach is located in Seismic Design Categories D, E or F as
3 determined by the International Building Code, and in Seismic Design Categories D2 or E
4 as determined by the International Residential Code, which are considered by experts to
5 be one of the most active seismic regions in the world. The proposed amendment
6 requiring additional safety factors for hydraulic calculations ensures that a reasonable
7 margin of safety is provided due to the necessity of providing on site fire protection in a
8 seismic emergency when fire department resources could be greatly delayed and
9 overwhelmed and therefore need to be incorporated into the Code to assure that new
10 buildings and structures and additions or alterations to existing buildings or structures are
11 designed and constructed in accordance with the scope and objectives of the California
12 Fire Code.

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

18 Section 18.48.490 – 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 are considered by experts to
22 be one of the most active seismic regions in the world. The proposed amendment to
23 specify requirements for alarm devices 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 need 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 Fire Code.

1 Section 18.48.500 – 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 13143.5, 17958.7 and 18941.5(b) of the California Health and
5 Safety Code.

6 Section 18.48.510 – 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 are considered by experts to
10 be one of the most active seismic regions in the world. The proposed amendment
11 requires a higher psi design at the discharge to ensure that a reasonable margin of safety
12 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 need 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 Fire Code.

17 Sections 18.48.520 to 18.48.550– 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 13143.5, 17958.7 and 18941.5(b) of the
21 California Health and Safety Code.

22 Section 18.48.560 – 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 are considered by experts to
26 be one of the most active seismic regions in the world. The proposed amendment to
27 require fire alarm and smoke removal systems ensures that a reasonable margin of
28 safety is provided due to the necessity of providing on site fire protection in a seismic

1 emergency when fire department resources could be greatly delayed and overwhelmed
2 and therefore need 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 Fire Code.

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

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

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

27 Sections 18.48.610 to 18.48.660 – Amendment is necessary for local
28 administrative clarification, does not modify a Building Standard as defined in Section

1 18909(c) of the California Health and Safety Code, and does not require the express
2 findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the
3 California Health and Safety Code.

4 Section 18.48.670 – Amendment is necessary on the basis of local topographical
5 conditions. The City of Long Beach is bounded on the westerly side by the Pacific Ocean
6 and at various locations by other bodies of water. The proposed amendment adds
7 requirements for welding and cutting aboard vessels moored within the jurisdiction of the
8 City of Long Beach to better limit personal injury and property damage as a result of
9 topographic impediment and therefore needs to be incorporated into the Code to assure
10 that vessels are in compliance with the applicable 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 are considered by experts to
21 be one of the most active seismic regions in the world. The proposed amendment
22 provides language to clarify reduction of the fire flow requirements in one- and two-family
23 dwellings, Group R-3 and R-4 buildings and townhomes to ensures that a reasonable
24 margin of safety is provided due to the necessity of providing on site fire protection in a
25 seismic emergency when fire department resources could be greatly delayed and
26 overwhelmed and therefore need to be incorporated into the Code to assure that new
27 buildings and structures and additions or alterations to existing buildings or structures are
28 designed and constructed in accordance with the scope and objectives of the California

1 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 are considered by experts to
6 be one of the most active seismic regions in the world. The proposed amendment
7 provides language to clarify reduction of the fire flow requirements in one- and two-family
8 dwellings, Group R-3 and R-4 buildings and townhomes to ensure that a reasonable
9 margin of safety is provided due to the necessity of providing on site fire protection in a
10 seismic emergency when fire department resources could be greatly delayed and
11 overwhelmed and therefore need to be incorporated into the Code to assure that new
12 buildings and structures and additions or alterations to existing buildings or structures are
13 designed and constructed in accordance with the scope and objectives of the California
14 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 2019 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 Section 18.49.030 – 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 is capable of producing a major earthquake. The
27 proposed amendment to ensure that new occupancies with a high occupant load are
28 properly evaluated to reduce or mitigate any potential hazards to future occupants in

1 existing URM buildings or structures. The proposed amendment makes modification and
2 changes to better limit personal injury and property damage as a result of geologic
3 activity and to establish criteria for repair of damaged property 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 Existing Code.

8 Section 18.49.040 – 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 is capable of producing a major earthquake. The
12 proposed amendment to ensure that new occupancies with a high occupant load are
13 properly evaluated to reduce or mitigate any potential hazards to future occupants in
14 existing URM buildings or structures. The proposed amendment makes modification and
15 changes to better limit personal injury and property damage as a result of geologic
16 activity and to establish criteria for repair of damaged property following a local
17 emergency. Therefore, it needs to be incorporated into the Code to assure that new
18 buildings and structures and additions or alterations to existing buildings or structures are
19 designed and constructed in accordance with the scope and objectives of the California
20 Existing Code.

21 Section 18.49.050 – Amendment is necessary on the basis of a local geologic
22 condition. The City of Long Beach is a densely populated city having buildings and
23 structures constructed over or near a vast array of fault traces resulting from the active
24 Newport-Inglewood fault system that is capable of producing a major earthquake. The
25 proposed amendment is needed to ensure that new occupancies with a high occupant
26 load are properly evaluated to reduce or mitigate any potential hazards to future
27 occupants in existing URM buildings or structures. The proposed amendment makes
28 modification and changes to better limit personal injury and property damage as a result

1 of geologic activity and to establish criteria for repair of damaged property following a
2 local emergency. Therefore, it needs to be incorporated into the Code to assure that new
3 buildings and structures and additions or alterations to existing buildings or structures are
4 designed and constructed in accordance with the scope and objectives of the California
5 Existing Code.

6 Section 18.49.060 – Amendment is necessary for local administrative clarification,
7 does not modify a Building Standard 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.

11 Section 12. Findings and determinations relative to the adoption of administrative
12 amendments to the 2019 Edition of the California Historical Building Code, Part 8, Title
13 24 of the California Code of Regulations:

14 Sections 18.50.010 to 18.50.060 – Amendment is necessary for local
15 administrative clarification, does not modify a Building Standard as defined in Section
16 18909(c) of the California Health and Safety Code, and does not require the express
17 findings and determination required by Sections 17958, 17958.5 and 17958.7 of the
18 California Health and Safety Code.

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

23 Section 14. This resolution shall take effect on January 1, 2020, upon its
24 adoption by the City Council, and the City Clerk shall certify to the vote adopting this
25 resolution.

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I certify that this resolution was adopted by the City Council of the City of Long Beach at its meeting of November 12, 2019, by the following vote:

Ayes: Councilmembers: Pearce, Supernaw, Mungo, Andrews, Uranga, Austin.

Noes: Councilmembers: None.

Absent: Councilmembers: Price, Richardson.



City Clerk

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Long Beach, CA 90802