

ORDINANCE  
NO. 26  
SERIES OF 2023

COUNCIL BILL NO. 24  
INTRODUCED BY COUNCIL  
MEMBER RUSSELL

**AN ORDINANCE CONCERNING THE AMENDMENT OF TITLE 8, CHAPTERS 2 AND 3, OF THE ENGLEWOOD MUNICIPAL CODE, IN CONNECTION WITH THE ADOPTION OF THE INTERNATIONAL BUILDING AND SAFETY CODES, 2021 EDITION, AND SUCH AMENDMENTS AS SET FORTH HEREIN, ALL WITHIN THE CITY OF ENGLEWOOD, ARAPAHOE COUNTY, COLORADO.**

**WHEREAS**, the City of Englewood has adopted Uniform Safety Codes, and subsequent updates as promulgated by the publisher, as the model construction codes for the City since 1971; and

**WHEREAS**, Section 4.2 of the 2015 Intergovernmental Agreement by and between the City of Englewood and the City of Denver regarding fire protection services provides that “Englewood agrees ... to adopt the 2015 International Building and Fires Codes and to adopt any subsequent versions of the building and fire codes within six (6) months of Denver’s adoption of said subsequent versions of said codes”; and

**WHEREAS**, Denver adopted the 2021 International Codes on January 9, 2023; and

**WHEREAS**, the Chief Building Official and the Fire Marshal for the City of Englewood have thoroughly reviewed the proposed codes and have made certain amendments that are specifically applicable to the City; and

**WHEREAS**, under Section 4.2 of the Intergovernmental Agreement with Denver Fire, “Englewood agrees not to adopt any laws or amendments to said codes that conflict with or are materially inconsistent with the applicable uniform building and fire codes without obtaining prior written approval of the Denver Fire Chief (which approval will not be unreasonably withheld);” and

**WHEREAS**, the proposed amendments made to the International Codes are written to meet the specific needs of the City of Englewood and are not in conflict with section 4.2 of the agreement with Denver; and

**WHEREAS**, the City of Englewood Division of Building and Safety staff has thoroughly reviewed the Colorado State Department of Health Swimming Pool Regulations and Standards as well as the International Swimming Pool and Spa Code and recommends adoption of the International Swimming Pool and Spa Code subject to certain exceptions, modifications, and amendments, which is consistent with the City’s adoption of other Uniform Building Codes; and

**WHEREAS**, the Chief Building Official and Fire Marshall for the City of Englewood have thoroughly reviewed the International Codes 2021 and recommend adoption thereof subject to certain exceptions, modifications, and amendments as set forth herein.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ENGLEWOOD, COLORADO, THAT:**

**Section 1.** Title 8, Chapter 2 shall be amended as follows (new provisions underlined; deleted provisions crossed-through):

**CHAPTER 2**

**CONSTRUCTION AND SAFETY CODES**

**ARTICLE A. - BUILDING CODE**

**8-2A-1: - Code Adopted.**

There is hereby adopted, by reference ~~thereto~~, the International Building Code ~~2018-2021~~ Edition, ~~in its entirety~~ including errata updates, published as ~~part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and amendments set forth in EMC §Section 8-2A-2 of this Article.~~, all available for inspection at the office of tThe City Clerk shall ~~maintain a copy of the Code, errata updates, and specific modifications to adopted Code as set forth within E.M.C. 8-2A-2,~~ all of which will be available for inspection during regular business hours.

**8-2A-2: - Specific Modifications to Adopted Code.**

The following specific ~~changes, modifications and amendments~~ are hereby made to the provisions of the International Building Code ~~2015-2021,~~ ~~hereinabove adopted:~~

**A. CHAPTER 1. ADMINISTRATION**

- 1. **101.1 Title** shall be amended to read as follows:

These regulations shall be known as the Building Code of the City of Englewood, hereinafter referred to as “this Code.”

- 2. **103.1 Creation of enforcement agency** shall be amended to read as follows:

The City of Englewood Building Division is hereby created and the official in charge thereof shall be known as the building official.

- 3. **105.2 Work Exempt from Permit.**

**(subsection) Building** shall be amended to read as follows:

2. Refer to ~~EMC § Section~~ 16-2-9 of the Englewood Municipal Code for Zoning Site Plan Review requirements including requirements for siting and construction of fences.

4. Refer to ~~EMC § Section~~ 16-2-9 for Zoning Site Plan Review requirement including requirements for siting and construction of retaining walls.

~~34.~~ **109.2 Schedule of Permit Fees** shall be amended to read as follows:

These fees shall be determined by the City Council and set forth within the City's Fee and Rate Schedule.

~~45.~~ **109.3 Building Permit Valuations** shall be amended to add the following additional sentence:

The Chief Building Official may also utilize Building Valuation Data published in the ICC Building Safety Journal as a guideline to establish valuation.

~~56.~~ **109.6 Fee Refunds** shall be amended to read as follows:

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

The Chief Building official may authorize refunding of not more than 80 percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this Code.

The Chief Building Official may authorize not more than 80 percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan reviewing is done.

The Chief Building Official shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of the fee payment.

~~67.~~ **110.7 Reinspections** shall be added as follows:

A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete; the corrections called for are not made; the inspection record card is not posted or otherwise available on the work site; the approved plans are not readily available to the inspector; no access is provided to the site or for deviating from plans requiring approval of the chief building official.

To obtain a reinspection, the applicant shall file an application therefore in writing on a form furnished for that purposed and pay the reinspection fee in accordance with Table 1.

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

~~78.~~ **111.3.4 Temporary Occupancy Fee** shall be amended to add the following provision:

The fee for a Temporary Certificate of Occupancy is as set forth in Section ~~109.2~~ 111.3 of this Chapter.

89. The entirety of section **113 BOARD OF APPEALS MEANS OF APPEAL**, including all subsections, shall be amended to read as follows:

Refer to EMC § Section 8-1-7 of the Englewood Municipal Code for the requirements of this section.

10. The entirety of **R114.1 Unlawful acts** shall be amended to read:

Refer to EMC § 8-1-8 for requirements of this section.

11. **R114.4 Violation penalties** shall be amended to include the following provision at the end of the section:

Refer to EMC §§ 8-1-9 and 8-1-10 for requirements of this section.

**B. CHAPTER 3. OCCUPANCY CLASSIFICATION AND USE**

912. **303.1.4 Accessory to places of religious worship** shall be amended to add the following-after the last sentence in the section:

Rooms or spaces within such places providing overnight temporary emergency winter weather sheltering for forty-nine (49) or less occupants for less than sixteen (16) continuous hours and with sleeping rooms or spaces less than ten thousand (10,000) square feet in aggregate area are not considered separate occupancies. Such uses shall comply with the following:

1. A fire watch shall be provided with at least two (2) people on site at all times. Fire Watch personnel shall be properly trained in fire watch procedures as prescribed by the Fire Marshal.
2. Sheltering is limited to the ground floor or basement level with a minimum of two (2) operational points of egress unless a fire suppression and fire alarm system are provided.
3. Smoke detectors and Carbon Monoxide alarms must be installed and maintained in working order.
4. A minimum of two (2) 2A:10BC fire extinguishers shall be installed as required by the International Fire Code. The travel distance to a fire extinguisher shall not exceed 75 feet.
5. Use is limited to seventy-five (75) total days per designated severe winter weather period (October 1 – May 15).
6. Sheltering is limited to severe weather (temperatures below thirty-two degrees (32°) and wet, or temperatures below twenty degrees (20°) and dry) and between the hours of 6 p.m. – 8 a.m.
7. Panic hardware is required on exit doors or an approved alternative method based on occupancy/egress.
8. A conditional use permit for severe weather sheltering must be obtained from the City of Englewood Fire Marshal's Office.

- 9. The permittee shall certify that it will comply with all applicable laws, including the Americans with Disabilities Act.

**C. CHAPTER 9. FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

- 103. **901.1.1 Scope** shall be added as follows:

All subsections of this Chapter 9, FIRE PROTECTION AND LIFE SAFETY SYSTEMS, that begin with the letter [F] designation shall be coordinated with Chapter 9 of the amended International Fire Code.

**D. CHAPTER 10. MEANS OF EGRESS**

- 114. **TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT** shall be amended to add the additional requirements for Group F-1 occupancy for marijuana plant husbandry operations as follows:

**TABLE 1004.5**

MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT

Flowering or vegetative room (F-1 occupancy for marijuana plant husbandry)	300 net (agricultural use)
Work areas (F-1 occupancy for marijuana plant husbandry)	100 gross

- 125. **1004.9.1 Bars, taverns, and similar areas** shall be added as follows:

Every room or space within a bar, tavern, or similar area that is an assembly function with an occupant load of 40 or more shall have the occupant load of the room or space posted in accordance with Section 1004.9.

- 136. **1018.5 Aisles in other than assembly spaces and groups B and M** shall be amended to include the following additions to the Exception provision as follows:

Exceptions:

1. ~~Nonpublic aisles serving less than fifty (50) people and not required to be accessible by Chapter 11 need not exceed twenty-eight inches (28"), (711 mm) in width.~~
2. Aisles in high-piled combustible storage areas shall comply with the applicable provisions of Chapter 32 of the International Fire Code.

**E. CHAPTER 16. STRUCTURAL DESIGN**

- 147. **1608.2 Ground Snow Loads** shall be amended to add the following after the last sentence in the section:

Ground snow load as determined by Case Study shall be 30 lb/sq ft.

- 158. **1612.3 Establishment of Flood Hazard Areas** shall be amended to read as follows:

To establish flood hazard areas, the applicable governing authority shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at a minimum areas of special flood hazard as identified by the Federal Emergency Management Agency in an engineering report entitled “The Flood Insurance Study for City of Englewood, dated November 1, 2010”, as amended or revised with the accompanying Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related supporting data along with any revisions thereto. The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this Section.

**F. CHAPTER 21. MASONRY**

- 169. **2111.1.1 Fireplace Restrictions** shall be added as follows:

Fireplaces shall comply with EMC §§Sections 16-1-11 and 16-1-12 of the Englewood Municipal Code.

~~G. CHAPTER 29. PLUMBING SYSTEMS~~

- ~~17. 2902.2 Separate Facilities shall be amended to add the new exception number 5:~~

~~Exceptions:~~

~~5. Separate facilities may be labeled as unisex if such facilities are single user toilet and bathing rooms.~~

~~GH. CHAPTER 35. REFERENCED STANDARDS~~18.CHAPTER 35 - REFERENCED STANDARDS shall amend the following reference within the section entitled ASME:

~~A18.1 - 2018 Safety Standard for Platform Lifts and Stairway Chairlifts.~~

~~H. CHAPTER 35. REFERENCED STANDARDS~~18.CHAPTER 35 - REFERENCED STANDARDS shall amend the following reference within the section entitled ICC:

~~ICC A117.1 – 17 – 2017 Standards for Accessible and Usable Buildings and Facilities.~~

**ARTICLE B – MECHANICAL CODE**

**8-2B-1: - Code Adopted.**

There is hereby adopted, by reference ~~thereto~~, the International Mechanical Code (IMC) 2018 2021 Edition, ~~in its entirety~~ including errata updates, published as ~~part of the~~ ~~Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and~~ ~~amendments set forth in EMC § Section 8-2B-2 of this Article.~~ , all available for inspection at the office of ~~t~~The City Clerk shall maintain a copy of the Code, errata updates, and specific modifications to adopted ~~Code as set forth within E.M.C. 8-2B-2, all of~~ which will be available for inspection during regular business hours.

**8-2B-2: - Specific Modifications to Adopted Code.**

The following ~~specific changes, modifications and~~ amendments are hereby made to the provisions of the International Mechanical Code 2018 2021, ~~hereinabove adopted:~~

**A. CHAPTER 1. ADMINISTRATION.**

- 1. **101.1 Title** shall be amended to read as follows:

These regulations shall be known as the Mechanical Code of the City of Englewood, hereinafter referred to as “this Code” or IMC.

- 2. **106.4.4 Extensions** shall be amended to read as follows:

A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit where work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action {by} the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once.

- 3. ~~106.5.2 Permit Fee Schedule~~ shall be amended to read as follows:

~~Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this section.~~

- 4. ~~106.5.3 Fee Refunds~~ shall be amended to read as follows:

~~Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this section.~~

- 5. ~~107.3.3 Reinspections~~ shall be amended to read as follows:

~~Refer to Section 110.7 of the amended Building Code of the City of Englewood for requirements of this section.~~

- 6. ~~108.4 Violation Penalties~~ shall be amended to read as follows:

~~Refer to Englewood Municipal Code 8-1-10 for requirements of this section.~~

- 7. ~~108.5 Stop Work Orders~~ shall be amended to read as follows:

~~Upon notice from the code official that work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease.~~

~~Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as prescribed in 108.4 as amended.~~

- ~~8. The entirety of Section 109 MEANS OF APPEAL, including all subsections, shall be amended to read as follows:~~

~~Refer to Section 8-1-7 of the Englewood Municipal Code of the City of Englewood for requirements of this section.~~

3. **109.2 Schedule of permit fees** shall be amended to read:

Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.

4. **109.6 Refunds** shall be amended to read:

Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.

5. The entirety of section **113 MEANS OF APPEAL**, including all subsections, shall be amended to read:

Refer to EMC § 8-1-7 of for requirements of this Section.

7. The entirety of section **114 BOARD OF APPEALS**, including all subsections, shall be amended to read:

Refer to EMC § 8-1-7 of for requirements of this Section.

8. **115.4 Violation Penalties** shall be amended to read:

Refer to EMC § 8-1-10 for requirements of this Section.

## B. **CHAPTER 4. VENTILATION**

1. **403.2.1 Recirculation of air, subsection (1)** shall be amended to read as follows:

1. Ventilation air shall not be recirculated from one dwelling or one dwelling unit to another or to dissimilar occupancies.

## C. **CHAPTER 5. EXHAUST SYSTEMS**

1. Section **513 SMOKE CONTROL SYSTEMS** shall be amended to include the following language:



All subsections of this section, ~~Smoke Control Systems~~, that begin with the letter [F] designation shall be coordinated with Section 909 of the amended International Fire Code.

**D. CHAPTER 9. SPECIFIC APPLIANCES, FIREPLACES AND SOLID FUEL-BURNING EQUIPMENT**

1. Subsection **901.5** shall be added to Section **901 GENERAL** and shall read as follow:

~~901.5 New factory built wood burning fireplaces.~~ Installation of new factory-built wood-burning appliances is restricted to certified wood stoves as approved by the Environment Protection Agency. Appliances shall be listed by an approved testing agency. If a wood-burning appliance is not on the EPA approved list, it cannot be installed unless it is converted to a gas log fireplace in accordance with the requirements of Chapter 6 of the International Fuel Gas Code.

2. Subsection **903.5** shall be added to Section **903 FACTORY-BUILT FIREPLACES** and shall read as follow:

~~903.5 EPA certification.~~ Installation of new factory-built wood-burning appliances is restricted to certified wood stoves as approved by the Environmental Protection Agency. Appliances must be listed by an approved testing laboratory. If a wood-burning appliance is not on the EPA approved list, it cannot be installed unless it is converted to a gas log fireplace in accordance with the requirements of Section 903.

**ARTICLE C – PLUMBING CODE**

**8-2C-1: CODE ADOPTED:**

There is hereby adopted, by reference ~~thereto~~, the International Plumbing Code ~~2018~~ 2021 Edition, ~~in its entirety~~ including errata updates, published ~~as part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and amendments set forth in Section EMC § 8-2C-2 of this Article.~~ all available for inspection at the office of tThe City Clerk shall maintain a copy of the Code, errata updates, and specific modifications to adopted Code as set forth within E.M.C. 8-2C-2, all of which will be available for inspection during regular business hours.

**8-2C-2: SPECIFIC MODIFICATIONS TO ADOPTED CODE:**

The following specific changes, modifications and amendments are hereby made to the provisions of the International Plumbing Code ~~2018~~ 2021, ~~hereinabove adopted~~:

**A. CHAPTER 1. SCOPE AND ADMINISTRATION.**

1. **101.1 Title** shall be amended to read as follows:  
These regulations shall be known as the International Plumbing Code of the City of Englewood, hereinafter referred to as “this Code” or IPC.
2. ~~106.6.2 Fee Schedule~~ ~~Fee schedule~~ **109.2 Schedule of permit fees** shall be amended to read as follows:  
Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.
3. ~~106.6.3 Fee~~ **109.5 Refunds** shall be amended to read as follows:  
Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.
4. ~~107.4.3~~ ~~112.4.3~~ **Reinspection and Testing** shall be amended to read as follows:  
Refer to Section 110.7 of the amended Building Code of the City of Englewood for requirements of this Section.
5. ~~108.4~~ ~~115.4~~ **Violation Penalties** shall be amended to read as follows:  
Refer to Section EMC § 8-1-10 of the Englewood Municipal Code for the requirements of this Section.
6. ~~108.5 Stop Work Orders~~ shall be amended to read as follows:  
~~Upon notice from the code official that work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as prescribed in 108.4 as amended.~~
7. 6. The entirety of section ~~109-114~~ **MEANS OF APPEALS**, including all subsections, shall be amended to read as follows:  
  
Refer to Section EMC § 8-1-7 of the Englewood Municipal Code of the City of Englewood for the requirements of this Section.

## **B. CHAPTER 3. GENERAL REGULATIONS.**

1. **305.4.1 Sewer Depth** shall be amended to read as follows:  
Building sewers that connect to private sewage disposal systems shall be a minimum of twelve inches (12”) below finished grade at the point of septic tank connection. Building sewers shall be a minimum of twelve inches (12”) below grade.

## **~~C. CHAPTER 4. FIXTURES, FAUCETS AND FIXTURE FITTINGS.~~**

~~1. 403.2 Separate Facilities shall be amended to add the following Exception (5):~~

~~5. Separate facilities may be labeled as unisex if such facilities are single user toilet and bathing rooms.~~

**D C. CHAPTER 5. WATER HEATERS.**

**504.7 Required Pan** shall be amended to add the following Exception:

Exception: Where the Building Official deems it impractical due to space restrictions to install a pan for a replacement water heater where a drain pan was not previously installed, a water alarm device may be used in lieu of the pan.

**E D. CHAPTER 9. VENTS.**

1. **903.1.1 Roof extension unprotected** shall be amended to read as follows:

Open vent pipes that extend through a roof shall be terminated at least six inches (6”) above the roof, except where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least seven feet (7’) above the roof.

**ARTICLE D – ELECTRICAL CODE**

**8-2D-1: Code Adopted.**

There is hereby adopted, by reference ~~thereto~~, the NFPA70 - Electrical Code, 2020 Edition, ~~in its entirety~~ including errata updates, published by the National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts 02169-7471, ~~The City Clerk shall maintain a copy of the Code and errata updates which will be available for inspection at the City Clerk’s Office during regular business hours.~~

**ARTICLE E – FIRE CODE**

**8-2E-1: CODE ADOPTED:**

There is hereby adopted by reference ~~by the City of Englewood, Colorado, for the purpose of establishing standards for the safety, health, and public welfare,~~ the International Fire Code, 2018~~2021~~ Edition, as the Fire Code for the City, as published by the International Code Council, 4051 Flossmoor Road Country Club Hills, IL 60478, as ~~Title 8, Chapter 2, Article E, of the Englewood Municipal Code, and such~~ and the City of Englewood 2021

Amendments to the 2021 Edition of the International Fire Code and Appendices ~~amendments, exceptions, modifications, and appendices as set forth within such Code and within Attachment A of this Ordinance. The City Clerk shall maintain a copy of the Code, Attachment A setting forth specific modifications to the Code, and errata updates and all of which will be~~ Both are available for inspection during regular business hours at the City Clerk's Office.

**~~8-2E-2: SPECIFIC MODIFICATIONS TO ADOPTED CODE:~~**

~~Specific changes, modifications and amendments are hereby made to the provisions of the International Fire Code 2018, as hereinabove adopted as Attachment A of this Ordinance, with all such changes, modifications and amendments as fully set forth within Attachment A to this Ordinance, and all are hereby incorporated into this Ordinance as if fully set forth herein, and such Attachment A shall be known and cited as Section 8-2E-2 of the Englewood Municipal Code.~~

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**ARTICLE F – PROPERTY MAINTENANCE CODE**

**8-2F-1: CODE ADOPTED:**

There is hereby adopted, by reference ~~thereto~~, the International Property Maintenance Code 2018 2021 Edition, ~~in its entirety~~ including errata updates, published ~~as part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and~~ amendments set forth in Section EMC § 8-2C-2 of this Article. ~~The City Clerk shall maintain a copy of the Code, errata updates, and specific modifications to adopted Code as set forth within E.M.C. 8-2F-2, all of which will be available for inspection during regular business hours at the City Clerk's office.~~

**8-2F-2: SPECIFIC MODIFICATIONS TO ADOPTED CODE:**

The following specific changes, modifications and amendments are hereby made to ~~the provisions of~~ the International Property Maintenance Code 2018 2021, hereinabove adopted:

**A. CHAPTER 1. SCOPE AND ADMINISTRATION.**

1. **101.1 Title** shall be amended to read as follows:  
These regulations shall be known as the International Property Maintenance Code of the City of Englewood, hereinafter referred to as “this Code” or IPMC.
2. **102.3 Application of other codes** shall be amended to read as follows:  
Repairs, additions or alterations to a structure, or changes of occupancy, shall be done in accordance with the procedures and provisions of the City of Englewood adopted International Building Code, International Existing Building Code, International Energy Conservation Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, International Residential Code, International Plumbing Code, NFPA 70 and the ~~City of Englewood Municipal Code EMC~~.
3. ~~103.5~~ **104.1 Fees** shall be amended to read as follows:  
Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.
4. **104.2 Refunds** shall be amended to read as follows:  
Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.
5. The entirety of section 107 MEANS OF APPEAL, including all subsections, shall be amended to read as follows:  
Refer to EMC § 8-1-7 for the requirements of this Section.
6. The entirety of section 108 BOARD OF APPEALS, including all subsections, shall be deleted in its entirety.
47. ~~107.2~~111.4.1 Form, subsection (4), shall be amended to read as follows:  
Include a correction order allowing a reasonable time, not to initially exceed thirty (30) days, to make the repairs and improvements required to bring the dwelling unit or structure into compliance with the provisions of this Code. The Building Official may grant extensions to the initial time allowed to complete repairs, but in no case may such total time for repairs and improvements exceed 180 days.

5. ~~8.~~ **108.5 111.8 Prohibited Occupancy** shall be amended to read as follows:  
Any occupied structure condemned and placarded by the code official shall be vacated as ordered by the code official. Such placard shall be deemed an order directing vacation and shall provide not more than ten (10) days from the date of such placarding for the vacation of such dwelling unit unless a lesser time is stated in the order as in the judgment of the building official is reasonable and proper in view of the facts of the situation and hazard involved. Any person who shall occupy placarded premises or shall operate placarded equipment, and any owner or any person responsible for the premises who shall let anyone occupy a placard premises, or operate placarded equipment, or remove such placard from the premises shall be liable for the penalties provided by this Code.
6. ~~The entirety of section 111 MEANS OF APPEAL, including all subsections, shall be amended to read as follows:  
Refer to Section 8-1-7 of the Englewood Municipal Code of the City of Englewood for the requirements of this Section.~~
7. ~~112.4 Failure to comply shall be amended to read as follows:  
Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for penalties as prescribed in Section 115 of the International Building Code as amended.~~

## B. CHAPTER 3. GENERAL REQUIREMENTS.

1. ~~301.2-1 Responsibility – Hotel/Motel Owners~~ shall be amended to add the following subsection:  
The owner of the premises shall maintain the structures, dwelling unit, rooming unit, housekeeping unit and exterior property in compliance with these requirements. A person shall not occupy as owner-occupant or permit another person to occupy premises which are not in a sanitary and safe condition and which do not comply with the requirements of this Chapter.
2. **302.4 Weeds** shall be deleted in its entirety.
3. **302.8 Motor Vehicles** shall be deleted in its entirety.
4. **302.9 Defacement of property** shall be deleted in its entirety.
5. **304.14 Insect Screens** shall be amended to read as follows:  
Every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or store shall be supplied with approved tightly fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm), and every screen door used for inset control shall have a self-closing device in good condition.



Exception: Screens shall not be required where other approved means, such as air curtains or insect repellent fans, are employed.

**C. CHAPTER 6. MECHANICAL AND ELECTRICAL REQUIREMENTS.**

1. **602.3 Heat supply** shall be amended to read as follows:  
Every owner and operator of any building who rents, leases or lets one or more dwelling units on terms, either expressed or implied, to furnish heat to the occupants thereof (20° C) in all habitable rooms, bathrooms and toilet rooms.
2. **602.4 Occupiable work spaces** shall be amended to read as follows:  
Indoor occupiable work spaces shall be supplied with heat to maintain a temperature of not less than 65°F during the period the spaces are occupied.

**ARTICLE G – RESIDENTIAL BUILDING CODE**

**8-2G-1: CODE ADOPTED:**

There is hereby adopted, by reference ~~hereto~~, the International Residential Code ~~2018~~ 2021 Edition (IRC), as the Residential Building Code, ~~in its entirety~~ including Appendices H and M, and errata updates, published ~~as part of this Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and~~ amendments set forth in Section EMC § 8-2G-2 of this Article, available for inspection during regular business hours at the City Clerk’s office. ~~The City Clerk shall maintain a copy of the Residential Building Code, including Appendices H and M, errata updates, and the modifications as set forth within Section 8-2G-2, which will be available for inspection during regular business hours.~~

**8-2G-2: SPECIFIC MODIFICATIONS TO ADOPTED CODE:**

The following provisions amend the specific changes, modifications and amendments are hereby made in the provisions of the International Residential Code 2018, hereinabove adopted:

**A. CHAPTER 1. ADMINISTRATION.**

1. **R101.1 Title** shall be amended to read as follows:  
These regulations shall be known as the Residential Code of the City of Englewood, and are shall be cited as such and will be referred to as "IRC" or “this Code.”
2. **R105.2 Work Exempt from Permit.** Paragraphs 2, 3, and 10 shall be amended to read as follows:  
Building:
  2. Refer to Section EMC § 16-2-9 of the Englewood Municipal Code for fence requirements.

3. Refer to ~~Section EMC § 16-2-9 of the Englewood Municipal Code~~ for retaining wall requirements.

10. Refer to ~~Section EMC § 16-2-9 of the Englewood Municipal Code~~ for deck requirements,

3. **R108.2 Schedule of Permit Fees** shall be amended to read as follows:

Refer to Section 109.2 of the Building Code of the City of Englewood for the schedule of permit fees applicable to this ~~RC~~ Code.

4. **R108.3 Building Permit Valuations** shall be amended to include the following additional language:

Refer to Section 109.3 of the amended Building Code of the City of Englewood for additional requirements of this Ssection.

5. **R108.5 Fee Refunds** shall be amended to read as follows:

Section 109.6 of the amended Building Code of the City of Englewood shall replace the requirements of this Ssection.

6. **R110.4.1 Temporary Occupancy Fee** shall be added as follows:

Refer to Section 111.3.1 of the amended Building Code of the City of Englewood for the requirements of this Ssection.

7. **R112 Board of Appeals** shall be amended by ~~deleting paragraphs 1, 2, 3, and 4~~ and inserting the following to read:

Refer to ~~Section EMC § 8-1-7 of the Englewood Municipal Code~~ for requirements of this Ssection.

8. **R113.1 Unlawful Acts** shall be amended to read as follows:

Refer to ~~Section EMC § 8-1-8 of the Englewood Municipal Code~~ for requirements of this Ssection.

9. **R113.4 Violation penalties** shall be amended to read as follows:

Refer to ~~Sections EMC §§ 8-1-9 and 8-1-10 of the Englewood Municipal Code~~ for requirements of this Ssection.

**B. CHAPTER 3 – BUILDING AND PLANNING.**

1. **Table R301.2(1)** Table R301.2(1) is amended to incorporate the following categories; in ~~and if any conflict, should be determined between these categories and the categories previously established in Table R301.2(1)~~ the following shall prevail:

**CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

Ground Snow Load – 30 PSF

Wind Speed – 105 MPH

Topographic Effects – Yes  
Special Wind Region – No  
Wind-borne Debris Zone – No  
Seismic Design Category – B  
Weathering – Severe  
Frost Line Depth – 36”  
Termite – Slight  
Winter Design Temp – 1 Degree F  
Ice Barrier Underlayment Required – Yes  
Flood Hazards – FIRM  
Air Freezing Index – 1500  
Mean Annual Temp - 45

2. **R305.1.1 Basements** shall be amended to read as follows:

1. The Building Official may allow existing basements with a ceiling height between 6'8" and 7'0" to be finished and or occupied as habitable space ~~when the Building Official determines there is not a technically feasible solution of complying with the required ceiling height set forth in R305.1. provided there is not a technically feasible solution of complying with the required ceiling height.~~

**Exception:** At beams, girders, ducts or other obstructions, the ceiling height shall not be less than 6 feet 4 inches from the finished floor with the exception of obstructions at stairs. Ceiling height at stairs and stair landings shall be 6'8".

~~2. In no case shall the ceiling height at beams, girders, ducts or other obstructions be less than 6 feet 4 inches from the finished floor.~~

3. **R309.5. Fire Sprinklers** shall be amended to modify the following sentence to read as follows:

Private garages may be protected by fire sprinklers where the garage wall has been designed based on Table R302.1(2).

4. **R310.1 Emergency escape and rescue opening required.** Delete Exception 2, including all subsections thereof.

5. **R310.6 Dwelling additions.** Delete Exception 2, including all subsections thereof.

6. ~~R310.6~~ **R310.7 Alterations of repairs to existing basements** shall be amended to modify the following sentence to read as follows:

An emergency escape and rescue opening is required where existing basements are altered or repaired and such work increases habitable space or creates a sleeping room.

~~6.7.~~ **R313.1 Townhouse automatic fire sprinkler systems** shall be amended to modify the following sentence to read as follows:

An automatic residential fire sprinkler system ~~shall~~ may be installed in townhouses.

7. ~~8.~~ **R313.2 One- and two-family dwellings automatic fire systems** shall be amended to modify the following sentence to read ~~as follows~~:

An automatic residential fire sprinkler system ~~shall~~ may be installed in one- and two-family dwellings.

C. **CHAPTER 4 – FOUNDATIONS**

1. **R401.4 Soil tests** shall be amended to read ~~as follows~~:

The ~~B~~building ~~O~~official may require a soil test for a new structure or an addition to a structure is proposed. This test shall be done by an approved agency using an approved method.

D. **CHAPTER 10 – CHIMNEYS AND FIREPLACES**

1. **R1001.1.1 Fireplace Restrictions** shall be added as follows:

Fireplaces shall comply with ~~Sections EMC §§ 6-1-11 and 6-1-12 of the Englewood Municipal Code.~~

2. **R1004.1.1 Fireplace Restrictions** shall be added as follows:

Fireplaces shall comply with ~~Sections EMC §§ 6-1-11 and 6-1-12 of the Englewood Municipal Code.~~

E. **CHAPTER 11 – ENERGY EFFICIENCY**

1. **N1101.1 Scope** shall be amended to read:

All subsections of this Chapter 11, Energy Efficiency, shall be coordinated the amended City of Englewood International Energy Conservation Code including Appendices RB and RD.

E. **CHAPTER 26 – GENERAL PLUMBING REQUIREMENTS**

1. **P2603.5.1 Sewer Depth** shall be amended to modify the following sentence to read as follows:

Building sewers that connect to private sewage disposal systems shall be a minimum of twelve inches (12”) below finished grade at the point of septic tank connection. Building sewers shall a minimum of twelve inches (12”) below grade.

FG. **APPENDICES ADOPTED.**

1. **Appendix AF Radon Control Methods.**
2. **Appendix AH Patio Covers.**
3. **Appendix AM Home Day Care R-3 Occupancy.**

## ARTICLE H – FUEL GAS CODE

### 8-2H-1: - CODE ADOPTED.

There is hereby adopted, by reference ~~thereto~~, the International Fuel Gas Code ~~2018~~ 2021 Edition, ~~in its entirety~~ including errata updates, published as ~~part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and~~ amendments set forth in Section EMC§ 8-2G-2 of this Article., available for inspection during regular business hours at the City Clerk's office. ~~The City Clerk shall maintain a copy of the Code, errata updates, and the amendments as set forth in E.M.C 8-2H-2, which will be available for inspection during regular business hours.~~

### 8-2H-2: - SPECIFIC MODIFICATIONS TO ADOPTED CODE.

The following ~~specific changes, modifications and~~ amendments are hereby made to in the provisions of the International Fuel Gas Code ~~2018, hereinabove adopted~~:

#### A. CHAPTER 1. SCOPE AND ADMINISTRATION.

1. **101.1 Title** shall be amended to read as follows:  
These regulations shall be known as the Fuel Gas Code (IFGC) of the City of Englewood, ~~hereinafter~~ referred to as “this Code” or IFGC.
2. **106.5.4 Extensions** shall be amended to read as follows:  
A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which he or she will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once. The fee for an extension shall be \$26.00.
3. ~~106.6.2 Fee schedule~~ **109.2 Schedule of permit fees** shall be amended to read as follows:  
Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.
4. ~~106.6.3 Fee refunds~~ **109.6 Refunds** shall be amended to read as follows:  
Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.
5. ~~107.3.3~~ **112.3.3 Reinspections and testing** shall be amended to read as follows:  
Refer to Section 110.7 of the amended Building Code of the City of Englewood for requirements of this Section.  
  
**108.4 Violation penalties** shall be amended to read as follows:

Refer to Section 8-1-10 of the Englewood Municipal Code for the requirements of this section.

6. ~~108.5 Stop Work Orders~~ shall be amended to read as follows:

~~Upon notice from the code official that work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as prescribed in Section 108.4 as amended.~~

7. ~~6.~~ The entirety of section ~~109-113 MEANS OF APPEAL~~ including all subsections, shall be amended to read as follows:

~~Refer to Section EMC § 8-1-7 of the Englewood Municipal Code of the City of Englewood for the requirements of this Section.~~

7. 114 BOARD OF APPEALS, shall be amended to read as follows:

Refer to Section EMC § 8-1-7 for the requirements of this Section.

8. 115.4 Violation penalties shall be amended to read as follows:

Refer to EMC § 8-1-10 for the requirements of this Section.

## ARTICLE I - ENERGY CONSERVATION CODE

### 8-2I-1: CODE ADOPTED:

There is hereby adopted, by reference thereto, the International Energy Conservation Code 2018 2021 Edition, ~~in its entirety~~ including errata updates, published as ~~part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and~~ amendments set forth in Section EMC § 8-2I-2 of this Article. available during regular office hours at the City Clerk's office. ~~The City Clerk shall maintain a copy of the Code, errata updates, and specific modifications to adopted Code as set forth within E.M.C. 8-2C-2, all of which will be available for inspection during regular business hours.~~

### 8-2I-2: SPECIFIC MODIFICATIONS TO ADOPTED CODE:

The following ~~specific changes, modifications and~~ amendments are hereby made to the ~~provisions of the International Energy Conservation Code 2018, hereinabove adopted:~~

## COMMERCIAL PROVISIONS

A. **CHAPTER 1. SCOPE AND ADMINISTRATION.**

1. **C101.1 Title** shall be amended to read as follows:  
These regulations shall be known as the Commercial Energy Conservation Code of the City of Englewood, hereinafter referred to herein as “this Code” or CECC.
2. **C103.2 Information of construction documents** shall be amended to revise item 6 and add item 14 as follows:  
  
6. Mechanical and service water heating systems and equipment types, sizes, fuel source, and efficiencies.  
  
14. Details of additional electrical infrastructure, including branch circuits, conduit, or pre-wiring, and panel capacity in compliance with the provisions of this Code.
3. **C104.2 Schedule of permit fees** shall be amended to read as follows:  
Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.
3. 4. **C104.5 Refunds** shall be amended to read as follows:  
Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.
4. ~~**C105.3 Reinspection** shall be amended to read as follows:  
Refer to Section 110.7 of the amended Building Code of the City of Englewood for requirements of this section.~~
5. ~~**C108 Stop Work Order** shall be amended to read as follows:  
Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as prescribed in Section 108.4 as amended.~~
5. **C105.2.5 Electrical System** shall be amended to read as follows:  
Inspection shall verify lighting system controls, components meters, and additional electric infrastructure, as required by the code, approved plans, and specifications.

6. The entirety of section ~~C109 MEANS OF APPEAL~~ **C110 BOARD OF APPEAL**, including all subsections, shall be amended to read as follows:  
Refer to Section EMC § 8-1-7 of the ~~Englewood Municipal Code~~ of the City of Englewood for the requirements of this Section.

**B. CHAPTER 2. DEFINITIONS.**

1. **C202 DEFINITIONS** shall be amended to include:

ALL-ELECTRIC BUILDING. A building and building site that contains no combustion equipment, or plumbing for combustion equipment, and that uses heat pump technology as the primary supply for heating, cooling, and service water heating loads.

COMBUSTION EQUIPMENT: Any equipment or appliances used for space heating, cooling, water heating (including pools and spas), cooking, clothes drying or lighting that uses natural gas, propane, other fuel gas, or fuel oil.

MIXED-FUEL BUILDING. A building and building site that contains combustion equipment, or plumbing for combustion equipment, for space heating, cooling, water heating (including pools and spas), cooking, or clothes drying.

**C. CHAPTER 4. COMMERCIAL ENERGY EFFICIENCY.** This Chapter shall be amended to include sections C404.10 and C405.13 as follows:

**C404.10 Water heating equipment location.** Water heaters with combustion equipment shall be located in a space with the following:

1. Minimum dimensions of 3 feet by 3 feet by 7 feet high.
2. Minimum volume of 760 cubic feet, or the equivalent of one 16-inch by 24-inch grill to a heated space and one 8-inch duct of no more than 10 feet in length for cool exhaust air.
3. Contains a condensate drain that is no more than 2 inches higher than the base of the installed water heater and allows natural draining without pump assistance, installed within 3 feet of the water heater.

Exceptions:

1. Instantaneous water heaters located within 10 feet of the point of use.
2. Water heater with an input capacity of more than 300,000 Btu/h.

**C405.13 Additional electric infrastructure.** All combustion equipment shall be provided with a junction box that is connected to an electrical panel by continuous raceways that meet the following requirements:

1. The junction box, raceway, and bus bar in the electric panel and conductors serving the electric panel shall be sized to accommodate electric equipment sized to serve the same load as the combustion equipment.



2. The panel shall have reserved physical space for a three-pole circuit breaker.
3. The junction box and electrical panel directory entry for the dedicated circuit breaker space shall have labels stating, "For future electric equipment."
4. The junction box shall allow for the electric equipment to be installed within the same place of the combustion equipment that it replaces.

Exceptions:

1. Warm air furnaces serving spaces that also have space cooling.
2. Water heating equipment with an input capacity more than 300,000 Btu/h.
3. Industrial, manufacturing, laboratory, and high hazard occupancy equipment.

**D. APPENDIX CB SOLAR-READY ZONE—COMMERCIAL.**

Appendix CB is adopted in its entirety with the following amendments:

**1. CB103.1 General shall be amended to read:**

A solar-ready zone shall be located on the roof of all new buildings that are subject to the commercial provisions of the IECC that are oriented between 110 degrees and 270 degrees of true north or have low-slope roofs. Solar-ready zones shall comply with Sections CB103.2 through CB103.9.

**E. APPENDIX CD EV READINESS – COMMERCIAL is added as follows:**

**CD101. Purpose and intent.** The purpose and intent of this Appendix CD is to accommodate the growing need for EV charging infrastructure. Including these measures during initial commercial construction substantially reduces the costs and difficulty of installing EV infrastructure at a later date.

**CD102. Applicability.** This Appendix CD shall apply to all new commercial construction to which the current International Building Code applies.

**Section CD103. Definitions.**

AUTOMOBILE PARKING SPACE. A space within a building or private or public parking lot, exclusive of driveways, ramps, columns, office, and work areas, for the parking of an automobile.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from an electric source.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). Equipment for plug-in power transfer including the ungrounded, grounded, and equipment grounding conductors, and

the electric vehicle connectors, attachment plugs, personal protection system and all other fittings, devices, power outlets or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ELECTRIC VEHICLE SUPPLY EQUIPMENT INSTALLED SPACE (EVSE space).  
An automobile parking space that is provided with a dedicated EVSE connection.

ELECTRIC VEHICLE CAPABLE SPACE (EV CAPABLE SPACE). A designated automobile parking space that is provided with electrical infrastructure, such as, but not limited to, raceways, cables, electrical capacity, and panelboard or other electrical distribution equipment space, necessary for the future installation of an EVSE.

ELECTRIC VEHICLE READY SPACE (EV READY SPACE). An automobile parking space that is provided with a branch circuit and a ground fault circuit interrupter (GFCI/GFI) outlet, junction box, or receptacle, that will support an installed EVSE.

**CD104.1 Quantity.** The number of required EVSE spaces, EV ready spaces, and EV capable spaces shall be determined in accordance with this Section and Table CD104.1 based on the total number of automobile parking spaces and shall be rounded up to the nearest whole number. For multifamily buildings, the Table requirements shall be based on the total number of dwelling units or the total number of automobile parking spaces, whichever is less.

1. Where more than one parking facility is provided on a building site, the number of required automobile parking spaces required to have EV power transfer infrastructure shall be calculated separately for each parking facility.
2. Where one shared parking facility serves multiple building occupancies, the required number of spaces shall be determined proportionally based on the floor area of each building occupancy.
3. Installed EVSE spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV ready spaces and EV capable spaces.
4. Installed EV ready spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV capable spaces.
5. Where the number of EV ready spaces allocated for multifamily occupancies is equal to the number of dwelling units or to the number of automobile parking spaces, whichever is less, requirements for EVSE spaces shall not apply.
6. In multifamily complexes that contain multiple buildings, required EV spaces shall be dispersed throughout parking areas so that each building has access to a similar number of spaces per dwelling unit.

**Exception:** Parking facilities, serving occupancies other than multifamily, with fewer than 10 automobile parking spaces.

**TABLE CD104.1**  
**REQUIRED EV POWER TRANSFER INFRASTRUCTURE**

<b><u>Building Type</u></b>	<b><u>EVSE-Installed</u></b>	<b><u>EV-Ready</u></b>	<b><u>EV-Capable</u></b>
<b><u>Multi-Family &amp; Hotels (R-1, R-2)</u></b>	<u>15%</u>	<u>5%</u>	<u>40% EV-Capable</u>
<b><u>Group A, B, E, M</u></b>	<u>10%</u>	<u>5%</u>	<u>10%</u>
<b><u>Group F, I,</u></b>	<u>2%</u>	<u>0%</u>	<u>5%</u>
<b><u>Group S-2, parking garages</u></b>	<u>10%</u>	<u>5%</u>	<u>0</u>

**CD104.2 EV capable spaces.** Each EV capable space used to meet the requirements of Section CD104.1 shall comply with all of the following:

1. A continuous raceway or cable assembly shall be installed between an enclosure or outlet located within 3 feet (914 mm) of the EV capable space and a suitable panelboard or other onsite electrical distribution equipment.
2. Installed raceway or cable assembly shall be sized and rated to supply a minimum circuit capacity in accordance with CD104.5
3. The electrical distribution equipment to which the raceway or cable assembly connects shall have sufficient dedicated space and spare electrical capacity for a 2-pole circuit breaker or set of fuses.
4. The electrical enclosure or outlet and the electrical distribution equipment directory shall be marked: "For future electric vehicle supply equipment (EVSE)."
5. Reserved capacity shall be no less than 4.1 kVA (20A 208/240V) for each EV capable space.

**CD104.3 EV ready spaces.** Each branch circuit serving EV ready spaces used to meet the requirements of Section CD104.1 shall comply with all of the following:

1. Terminate at an outlet or enclosure, located within 3 feet (914 mm) of each EV ready space it serves.

2. Have a minimum circuit capacity in accordance with CD104.5.
3. Branch circuit on the panelboard or other electrical distribution equipment directory designated as "For electric vehicle supply equipment (EVSE)" and the outlet or enclosure marked "For electric vehicle supply equipment (EVSE)."

**CD104.4 EVSE spaces.** An installed EVSE with multiple output connections shall be permitted to serve multiple EVSE spaces. Each EVSE installed to meet the requirements of Section CD104.1, serving either a single EVSE space or multiple EVSE spaces, shall comply with all of the following:

1. Have a minimum circuit capacity in accordance with CD104.5.
2. Be located within 3 feet (914 mm) of each EVSE space it serves.
3. Be installed in accordance with Section CD104.6 and CD104.7.

**CD104.4.1 EVSE minimum charging rate.** Each installed EVSE shall comply with one of the following:

1. Be capable of charging at a minimum rate of 6.2 kVA (or 30A at 208/240V).
2. When serving multiple EVSE spaces and controlled by an energy management system providing load management, be capable of simultaneously charging each EVSE space at a minimum rate of no less than 3.3 kVA.
3. When serving EVSE spaces allowed to have a minimum circuit capacity of 2.7 kVA in accordance with CD104.5.1 and controlled by an energy management system providing load management, be capable of simultaneously charging each ESVE space at a minimum rate of no less than 2.1 kVA.

**CD104.6 EVSE installation.** EVSE shall be installed in accordance with NFPA 70 and shall be listed and labeled in accordance with UL 2202 or UL 2594.

**CD106. Identification.** Construction documents shall designate all EV capable spaces, EV ready spaces, and EVSE spaces and indicate the locations of conduit and termination points serving them. The circuit breakers or circuit breaker spaces reserved for the EV capable spaces, EV ready spaces, and EVSE spaces shall be clearly identified in the panel board directory. The conduit for EV capable spaces shall be clearly identified at both the panel board and the termination point at the parking space.

## **RESIDENTIAL PROVISIONS**

### **B-F. CHAPTER 1. ADMINISTRATION**

1. **R101.1 Title shall be amended to read as follows:**

These regulations shall be known as the Residential Energy Conservation Code of the City of Englewood , hereinafter referred to herein as “this Code” ~~or RECC~~.

2. **R103.2 Information of construction documents** shall amend item 6 and add item 10 to read:

6. Mechanical and service water heating systems and equipment types, sizes, fuel source, and efficiencies.

10. Details of additional electrical infrastructure, including branch circuits, conduit, or pre-wiring, and panel capacity in compliance with the provisions of this Code.

3. **R104.2 Permit Fee Schedule** shall be amended to read as follows:  
Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.

- 3.4. **R104.5 Refunds** shall be amended to read as follows:  
Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.

- 4.5. The entirety of section ~~**R109 MEANS OF APPEAL R110 BOARD OF APPEALS**~~, including all subsections, shall be amended to read as follows:  
Refer to ~~Section EMC § 8-1-7 of the Englewood Municipal Code of the City of Englewood~~ for the requirements of this Section.

## **G. CHAPTER 2 DEFINITIONS**

1. **R202 GENERAL DEFINITIONS** is amended to include the following definitions:

ALL-ELECTRIC BUILDING. A building and building site that contains no combustion equipment, or plumbing for combustion equipment, and that uses heat pump technology as the primary supply for heating, cooling, and service water heating loads.

COMBUSTION EQUIPMENT: Any equipment or appliances used for space heating, cooling, water heating (including pools and spas), cooking, clothes drying or lighting that uses natural gas, propane, other fuel gas, or fuel oil.

MIXED-FUEL BUILDING. A building and building site that contains combustion equipment, or plumbing for combustion equipment, for space heating, cooling, water heating (including pools and spas), cooking, or clothes drying.

## **H. CHAPTER 4 RESIDENTIAL ENERGY EFFICIENCY**

1. **R401.3 Certificate** is amended to revise item 4 and add items 8 and 9, as follows:

4. The types, sizes, fuel sources, and efficiencies of heating, cooling and service water heating equipment. Where a gas-fired unvented room heater, electric furnace or baseboard electric heater is installed in the residence, the certificate shall indicate “gas-fired unvented room heater,” “electric furnace,” or “baseboard electric heater,” as appropriate. An efficiency shall not be indicated for gas-fire unvented room heaters, electric furnaces and electric baseboard heaters.

8. The fuel sources for cooking and clothes drying equipment.

9. Where combustion equipment is installed, the certificate shall indicate information on the installation of additional electric infrastructure including which equipment and/or appliances include additional electric infrastructure, capacity reserved on the electrical service panel for the replacement of each piece of combustion equipment and/or appliance.

2. **R403.5 Service hot water systems** is amended to read:

Energy conservation measures for service hot water systems shall be in accordance with Sections R403.5.1 through R403.5.4.

3. The following sections R403.5.4 and R404.4 are added to this Chapter:

**R403.5.4 Water heating equipment location.** Water heaters with combustion equipment shall be located in a space with the following:

1. Minimum dimensions of 3 feet by 3 feet by 7 feet high.

2. Minimum volume of 760 cubic feet, or the equivalent of one 16-inch by 24-inch grill to a heated space and one 8-inch duct of no more than 10 feet in length for cool exhaust air.

3. Contains a condensate drain that is no more than 2 inches higher than the base of the installed water heater and allows natural draining without pump assistance, installed within 3 feet of the water heater.

Exceptions:

4. Water heater with an input capacity of more than 300,000 Btu/h that serves multiple dwelling units or sleeping units.

**R404.4 Additional electric infrastructure.** All combustion equipment shall be installed in accordance with Section R403.5.4 and shall be provided with a junction box that is connected to an electrical panel by continuous raceways that meet the following requirements:

1. The junction box, raceway, and bus bar in the electric panel and conductors serving the electric panel shall be sized to accommodate electric equipment sized to serve the same load as the combustion equipment.
2. The panel shall have reserved physical space for a three-pole circuit breaker.
3. The junction box and electrical panel directory entry for the dedicated circuit breaker space shall have labels stating, "For future electric equipment."
4. The junction box shall allow for the electric equipment to be installed within the same place of the combustion equipment that it replaces.

Exceptions:

1. Fossil fuel space heating equipment where a 208/240-volt electrical circuit with a minimum capacity of 40 amps exists for space cooling equipment.
2. Water heating equipment with an input capacity more than 300,000 Btu/h that serves multiple dwelling units or sleeping units.

**I. TABLE R405.2 REQUIREMENTS FOR TOTAL BUILDING PERFORMANCE**

shall be amended to add the following to the table:

<u>SECTION</u>	<u>TITLE</u>
<b><u>Mechanical</u></b>	
<u>R403.5.4</u>	<u>Water heating equipment location</u>
<b><u>Electrical Power and Lighting Systems</u></b>	
<u>R404.4</u>	<u>Additional electric infrastructure</u>

**J. TABLE R406.2 REQUIREMENTS FOR ENERGY RATING INDEX** shall be

amended to add the following to the index:

<u>SECTION</u>	<u>TITLE</u>
<b><u>Mechanical</u></b>	
<u>R403.5.4</u>	<u>Water heating equipment location</u>
<b><u>Electrical Power and Lighting Systems</u></b>	
<u>R404.4</u>	<u>Additional electric infrastructure</u>

**K. APPENDIX RB SOLAR-READY PROVISIONS—DETACHED ONE – AND TWO- FAMILY DWELLINGS AND TOWNHOUSES** is adopted in its entirety with the following amendment:

1. **RB103.1 General** is amended to read:

New residential buildings with not less than 600 square feet of roof area A solar-ready zone shall be located on the roof of all new buildings that are oriented between 110 degrees and 270 degrees of true north or have low-slope roofs. Solar-ready zones shall comply with Sections RB103.2 through RB103.9.

**L. APPENDIX RD EV READINESS – RESIDENTIAL** is added as follows:

**RD101. Purpose and intent.** The purpose and intent of this Appendix RD is to accommodate the growing need for EV charging infrastructure, in particular meeting preferences for charging at home. Including these measures during initial construction substantially reduces the costs and difficulty of installing EV infrastructure at a later date.

**RD102. Applicability.** This Appendix RD shall apply to all new residential construction to which the International Residential Code applies with the exception of new detached garages not associated with a new residential dwelling unit or ADU.

**RD103. Definitions.**

AUTOMOBILE PARKING SPACE. A space within a building or private or public parking lot, exclusive of driveways, ramps, columns, office, and work areas, for the parking of an automobile.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from an electric source.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). Equipment for plug-in power transfer including the ungrounded, grounded, and equipment grounding conductors, and the electric vehicle connectors, attachment plugs, personal protection system and all other fittings, devices, power outlets or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ELECTRIC VEHICLE SUPPLY EQUIPMENT INSTALLED SPACE (EVSE space). An automobile parking space that is provided with a dedicated EVSE connection.

ELECTRIC VEHICLE CAPABLE SPACE (EV CAPABLE SPACE). A designated automobile parking space that is provided with electrical infrastructure, such as, but not



limited to, raceways, cables, electrical capacity, and panelboard or other electrical distribution equipment space, necessary for the future installation of an EVSE.

ELECTRIC VEHICLE READY SPACE (EV READY SPACE). An automobile parking space that is provided with a branch circuit and receptacle that will support an installed EVSE.

**RD104 One- and two- family dwellings and townhouses.** One EV ready space shall be provided for each new dwelling unit. The branch circuit shall be identified as EV ready in the service panel or subpanel directory, and the termination location shall be marked as EV ready.

**Exception:** Dwelling units where no parking spaces are either required or provided.

**RD105.3 EV ready spaces.** Each branch circuit serving EV ready spaces used to meet the requirements of Section RD105.1 shall comply with all of the following:

1. Terminate at a receptacle with overcurrent protection and GFCI protection as required by NFPA 70, located within 3 feet (914 mm) of each EV ready space it serves.
2. Have a minimum circuit capacity of 8.3 kVA (40A 208/240V).
3. Have a branch circuit on the panelboard or other electrical distribution equipment directory designated as “For future electric vehicle supply equipment (EVSE)” and the outlet or enclosure shall be marked “For future electric vehicle supply equipment (EVSE).”

**RD105.6 EVSE installation.** EVSE shall be installed in accordance with NFPA 70 and shall be listed and labeled in accordance with UL 2202 or UL 2594.

**RD107. Identification.** Construction documents shall designate all EV capable spaces, EV ready spaces, and EVSE spaces and indicate the locations of conduit and termination points serving them. The circuit breakers or circuit breaker spaces reserved for the EV capable spaces, EV ready spaces, and EVSE spaces shall be clearly identified in the panel board directory. The conduit for EV capable spaces shall be clearly identified at both the panel board and the termination point at the parking space.

## ARTICLE J – EXISTING BUILDING CODE

### 8-2J-1: - CODE ADOPTED.

There is hereby adopted, by reference ~~thereto~~, the International Existing Building Code 2018 2021 Edition, ~~in its entirety~~ including errata updates, published ~~as part of the Code~~, by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the ~~exceptions, modifications and amendments set forth in Section EMC § 8-2J-2 of this Article.~~, available during regular office hours at the City Clerk’s office. The City Clerk shall maintain a copy of the Code, errata updates, and specific modifications to

~~adopted Code as set forth within E.M.C. 8-2J-2, all of which will be available for inspection during regular business hours.~~

**8-2J-2: - SPECIFIC MODIFICATIONS TO ADOPTED CODE.**

The following ~~specific changes, modifications and amendments~~ are hereby made to the ~~provisions of the International Existing Building Code 2018, hereinabove adopted:~~

**A. CHAPTER 1. SCOPE AND ADMINISTRATION.**

1. **101.1 Title** shall be amended to read as follows:

These regulations shall be known as the Existing Building Code of the City of Englewood, ~~hereinafter~~ referred to as “this Code” or IEBC.

2. ~~108.2 Schedule of Permit Fees~~ shall be amended to read as follows:

~~Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this section.~~

3. ~~108.6 Refunds~~ shall be amended to read as follows:

~~Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.~~

3. **109.2 Schedule of Permit Fees** shall be amended to read:

Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.

4. The entirety of section **112 BOARD MEANS OF APPEALS**, including all subsections, shall be amended to read as follows:

~~Refer to Section EMC § 8-1-7 of the Englewood Municipal Code of the City of Englewood for the requirements of this Section.~~

4.5. **113.4 Violation Penalties** shall be amended to read as follows:

~~Refer to Section EMC § 8-1-10 of the Englewood Municipal Code for the requirements of this Section.~~

5. ~~The entirety of Section 114 STOP WORK ORDER, including all subsections,~~ shall be amended to read as follows:

~~Upon notice from the code official that work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as prescribed in Section 108.4 as amended.~~

**Section 2.** Title 8, Chapter 3B shall be amended as follows (new provisions underlined; deleted provisions crossed-through):

**Section 1.** Title 8, Chapter 3B shall be amended as follows:

**CHAPTER 3**

**SWIMMING POOLS**

**ARTICLE B PUBLIC AND SEMI-PUBLIC SWIMMING POOLS**

**8-3B-1: ~~Compliance with Code.~~ CODE ADOPTED.**

~~It shall be unlawful for any person to operate a public or semi-public swimming pool except as provided in and authorized by this Article, and in accordance with applicable rules and regulations promulgated by the Colorado State Department of Health as adopted herein.~~

There is hereby adopted by reference the 2021 International Swimming Pool and Spa Code 2021 Edition (IRC), as the Swimming Pool and Spa Code, including Appendix A and errata updates, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, subject to the amendments in EMC §8-3B-2, available during regular office hours at the City Clerk’s office.

**8-3B-2: ~~Colorado State Department of Health Swimming Pool Regulations and Standards Adopted.~~ SPECIFIC MODIFICATIONS TO ADOPTED CODE**

~~There is hereby adopted, by reference thereto, the Colorado State Department of Health Swimming Pool Regulations and Standards and Appendix, dated September 30, 1993, published by the Colorado State Department of Health, Division of Engineering and Sanitation, 4210 East 11th Avenue, Denver, Colorado 80220, with the same force and effect as if the same were fully set forth herein. One (1) copy of the above described Code shall be certified to be a true copy of said Code by the Mayor and the Clerk and filed in the office of the Clerk at least fifteen (15) days prior to public hearing and subject to public inspection at all times while said Code is in full force and effect. The Clerk shall maintain a copy of the Code available for inspection during regular business hours.~~

The following amendments are hereby made to the International Swimming and Spa Code:

**A. CHAPTER 1. SCOPE AND ADMINISTRATION.**

1. **101.1 Title** shall be amended to read:

These regulations shall be known as the Swimming Pool and Spa Code of the City of Englewood, referred to as “this Code.”

2. **108.2 Schedule of Permit Fees** shall be amended to read:

Refer to Section 109.2 of the amended Building Code of the City of Englewood for requirements of this Section.

3. 108.6 Refunds shall be amended to read:

Refer to Section 109.6 of the amended Building Code of the City of Englewood for requirements of this Section.

4. The entirety of section 111 Means Of Appeal, including all subsections, shall be amended to read:

Refer to EMC § 8-1-7 for the requirements of this Section.

5. Section 112 Board Of Appeals, including all subsections, shall be deleted in its entirety.

6. 113.4 Violation Of Penalties shall be amended to read:

Refer to EMC § 8-1-10 for requirements of this Section.

### **~~8-3B-3: Plans and Specifications.~~**

~~It shall be necessary to submit to the City of Englewood and the Tri-County District Health Department and the Colorado Department of Health as required in the hereinabove adopted standards, detailed plans and specifications before any public or semi-public swimming pool is installed, constructed, modified, remodeled, extended or enlarged. Before such work is commenced, such plans and specifications shall be approved, in writing, by the City of Englewood and the Tri-County District Health Department with respect to the layout and arrangement of all areas and the materials to be used in construction of the swimming pool, bathing areas and associated equipment.~~

**Section 3.** The following general provisions and findings are applicable to the interpretation and application of this Ordinance:

A. Severability. If any clause, sentence, paragraph, or part of this Ordinance or the application thereof to any person or circumstances shall for any reason be adjudged by a court of competent jurisdiction invalid, such judgment shall not affect, impair or invalidate the remainder of this Ordinance or its application to other persons or circumstances.

B. Inconsistent Ordinances. All other Ordinances or portions thereof inconsistent or conflicting with this Ordinance or any portion hereof are hereby repealed to the extent of such inconsistency or conflict.

C. Safety Clauses. The City Council hereby finds, determines, and declares that this Ordinance is promulgated under the general police power of the City of Englewood, that it is promulgated for the health, safety, and welfare of the public, and that this Ordinance is necessary for the preservation of health and safety and for the protection of public convenience and welfare. The City Council further determines that the Ordinance bears a rational relation to the proper

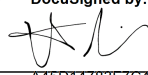
legislative object sought to be obtained. This Safety Clause is not intended to affect a Citizen right to challenge this Ordinance through referendum pursuant to City of Englewood Charter 47.

D. Publication. Publication of this Ordinance may be in the City’s official newspaper, the City’s official website, or both. Publication shall be effective upon the first publication by either authorized method.

E. Actions Authorized to Effectuate this Ordinance. The Mayor is hereby authorized and directed to execute all documents necessary to effectuate the approval authorized by this Ordinance, and the City Clerk is hereby authorized and directed to attest to such execution by the Mayor where necessary. In the absence of the Mayor, the Mayor Pro Tem is hereby authorized to execute the above-referenced documents. The execution of any documents by said officials shall be conclusive evidence of the approval by the City of such documents in accordance with the terms thereof and this Ordinance. City staff is further authorized to take additional actions as may be necessary to implement the provisions of this Ordinance, including correction of any typographical errors discovered during codification.

F. Enforcement. To the extent this ordinance establishes a required or prohibited action punishable by law, unless otherwise specifically provided in Englewood Municipal Code or applicable law, violations shall be subject to the General Penalty provisions contained within EMC § 1-4-1.


Introduced and passed on first reading on the 1st day of May, 2023; and on second reading, in identical form to the first reading, on the 15<sup>th</sup> day of May, 2023.

DocuSigned by:  
  
A45D14783F7C4C7...  
Othoniel Sierra, Mayor

ATTEST:

DocuSigned by:  
  
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Stephanie Carlile, City Clerk

I, Stephanie Carlile, City Clerk of the City of Englewood, Colorado, hereby certify that the above and foregoing is a true copy of an Ordinance, introduced and passed in identical form on first and second reading on the dates indicated above; and published two days after each passage on the City’s official website for at least thirty (30) days thereafter. The Ordinance shall become effective thirty (30) days after first publication on the City’s official website.

DocuSigned by:  
  
FCD655B9B2344B0...  
Stephanie Carlile, City Clerk