

AN ORDINANCE AMENDING ORDINANCE NO. 5422, WHICH ESTABLISHED MINIMUM REGULATIONS GOVERNING THE DESIGN, CONSTRUCTION, ALTERATION, ENLARGEMENT, REPAIR AND USE OF ALL BUILDINGS AND STRUCTURES FOR THE USE AND CONSERVATION OF ENERGY OVER THE USEFUL LIFE OF EACH BUILDING; AND ADOPTED THE INTERNATIONAL ENERGY CONSERVATION CODE/2018, WITH SPECIFIC AMENDMENTS THERETO, AS THE ENERGY CONSERVATION CODE OF THE CITY OF RICHMOND HEIGHTS, BY ADDING ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) IN NEW ONE-FAMILY, TWO-FAMILY DWELLINGS AND TOWNHOUSES.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF RICHMOND HEIGHTS, MISSOURI, as follows:

SECTION 1. The International Energy Conservation Code 2018, known as the Energy Conservation Code within the Municipal Code of the City of Richmond Heights, Missouri, is hereby amended to add the following:

ARTICLE VI THE INTERNATIONAL ENERGY CONSERVATION CODE

SECTION 500.140 AMENDMENTS, CHANGES AND DELETIONS IN THE INTERNATIONAL ENERGY CONSERVATION CODE.

A. The International Energy Conservation Code/2018, adopted in Section **500.130(A)** above, is hereby amended in the following respects:

7. Subsection R202 (pages R-7 thru R-9): Insert the following definitions:

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded and equipment grounding conductors, and the Electric Vehicle connectors, attachment plugs, 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.

EV CAPABLE SPACE. Electrical panel capacity and space to support a minimum 50-ampere, 208/240-volt dedicated branch circuit for each EV parking space, and the installation of raceways, both underground and surface mounted, to support the EVSE.

EV READY SPACE. A designated parking space which is provided with one 50-ampere, 208/240-volt dedicated branch circuit for EVSE servicing Electric

Vehicles. The circuit shall terminate in a suitable termination point such as a receptacle, junction box, or an EVSE, and be located in close proximity to the proposed location of the EV parking space.

8. Subsection R404.2 (page R-37) Electric Vehicle (EV) charging for new construction is added to read as follows:

SECTION R404.2 Electric Vehicle (EV) charging for new construction. New construction, as regulated by the International Residential Code, shall facilitate future installation and use of Electric Vehicle Supply Equipment (EVSE) in accordance with the National Electrical Code (NFPA 70).

9. Subsection R404.2.1 (page R-37) One and two-family dwellings and townhouses is added to read as follows:

SECTION R404.2.1 One and two-family dwellings and townhouses. Each dwelling unit with a dedicated attached or detached parking garage or on-site parking spaces, shall be provided with at least one electric vehicle ready space. 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”.

10. Subsection R404.2.2 (page R-37) Identification is added to read as follows:

SECTION R404.2.2 Identification. Construction documents shall indicate the raceway termination point and proposed location of future EV spaces and EV chargers. Construction documents shall also provide information on amperage of future EVSE, raceway methods, wiring schematics and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformers, have sufficient capacity to simultaneously charge all EVs at all required EV spaces at the full rated amperage of the EVSE.

SECTION 2. All previous amendments remain in effect.

SECTION 3. If any section, subsection, provision, sentence, clause or phrase of this Ordinance or of the INTERNATIONAL ENERGY CONSERVATION CODE/2018 is, for any reason, held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance or of said Code, and the City Council hereby declares that it would have passed the same even though such portion so held to be unconstitutional had not been included therein and, to this end, the provisions of this Ordinance are declared to be severable.

SECTION 4. This Ordinance shall take effect and be in full force on the thirty first day following its passage and being signed as provided by law.

PASSED and SIGNED this 1st day of March, 2021

JIM THOMSON
MAYOR

ATTEST:

AMY HAMILTON
CITY CLERK

APPROVED AS TO FORM:

KENNETH J. HEINZ
CITY ATTORNEY

First reading: February 16, 2021
Second reading: March 1, 2021